

United States Naval Academy (Maryland - 4 Yr)				University of Pittsburgh at Johnstown			
SUBJECT	COURSE NUMBER	COURSE TITLE	TRANSFER CREDITS	SUBJECT	COURSE NUMBER	PITT JOHNSTOWN COURSE TITLE	CREDITS
EA	301	Aerodynamics	3	PHYS	0000	Non-Equivalent*	3
EA	304	Aerodynamics II	3	PHYS	0000	Non-Equivalent*	3
EA	427	Aerodynamics III	3	PHYS	0000	Non-Equivalent*	3
EC	244	Electronics / Electro mechanics	4	ENGR	0000	Non-Equivalent*	3
EC	362	Computer Architecture (same as EE 362)	4	CS	0456	Computer Systems Architecture	3
EE	221	Introduction to Electrical Engineering I	4	EE	0000	Non-Equivalent*	4
EE	320	Intro to Electrical Engr II	3	EE	0000	Non-Equivalent*	3
EE	362	Computer Architecture (same as EC 362)	4	CS	0456	Computer Systems Architecture	3
EM	211	Statics	3	ENGR	0132	Statics	3
EM	215	Introduction to Mechanical Engineering	3	ENGR	0000	Non-Equivalent*	3
EM	217	Strength of Materials	4	ENGR	0142	Mechanics of Materials	3
EM	232	Dynamics	3	ENGR	0152	Dynamics	3
EM	232A	Dynamics	3	ENGR	0152	Dynamics	3
FA	101	Basic Arabic I	3	LING	0000	Non-Equivalent*	3
FA	102	Basic Arabic II	3	LING	0000	Non-Equivalent*	3
FA	201	Intermediate Arabic I	3	LING	0000	Non-Equivalent*	3
FA	202	Intermediate Arabic II	3	LING	0000	Non-Equivalent*	3
FA	301	Advanced Arabic I	3	LING	0000	Non-Equivalent*	3
FA	302	Advanced Arabic II	3	LING	0000	Non-Equivalent*	3
FA	426	Modern Arabic Literature	3	ENGLIT	0000	Non-Equivalent*	3
FC	101	Basic Chinese I	3	LING	0000	Non-Equivalent*	3
FC	102	First-Year Chinese II	3	LING	0000	Non-Equivalent*	3
FC	201	Intermediate Chinese I	3	LING	0000	Non-Equivalent*	3
FC	202	Second-Year Chinese II	3	LING	0000	Non-Equivalent*	3
FC	301	Advanced Chinese I	3	LING	0000	Non-Equivalent*	3
FC	302	Third-Year Chinese II	3	LING	0000	Non-Equivalent*	3
FC	360	20th Century Chinese Lit	3	ENGLIT	0000	Non-Equivalent*	3
FC	401	Chinese Language & Culture I	3	LING	0000	Non-Equivalent*	3
FC	402	Chinese Language & Culture II	3	LING	0000	Non-Equivalent*	3
FC	403	Chinese Language & Culture III	3	LING	0000	Non-Equivalent*	3
FC	404	Chinese Language & Culture IV	3	LING	0000	Non-Equivalent*	3
FE	210	Introductory Economics	3	ECON	0000	Non-Equivalent*	3
FE	220	Accounting	3	BUS	0000	Non-Equivalent*	3
FE	301	Financial Analysis	3	BUS	0000	Non-Equivalent*	3
FE	310	Economics Geography	3	GEO	0130	Economic Geography	3
FE	311	History of Economic Thought	3	SOCSCI	0000	Non-Equivalent*	3

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SUBJECT	COURSE NUMBER	COURSE TITLE	TRANSFER CREDITS	SUBJECT	COURSE NUMBER	PITT JOHNSTOWN COURSE TITLE	CREDITS
FE	312	Macroeconomics (same as SE 312)	3	ECON	1111	Intermediate Macroeconomics	3
FE	314	International Trade and Policy	3	BUS	0000	Non-Equivalent*	3
FE	315	Economics of Developing Nations	3	ECON	0000	Non-Equivalent*	3
FE	320	Cost Accounting	3	BUS	0000	Non-Equivalent*	3
FE	321	Comparative Systems and Transitional Economies	3	ECON	0000	Non-Equivalent*	3
FE	334	Financial Markets and Institutions	3	BUS	0000	Non-Equivalent*	3
FE	341	Microeconomics (same as SE 341)	3	ECON	1101	Intermediate Microeconomics	3
FE	345	Environmental Economics	3	ECON	1370	Economics and the Environment	3
FE	354	Development of the U.S. Economy	3	ECON	0000	Non-Equivalent*	3
FE	400	Advanced Microeconomic Theory (same as SE 401)	4	ECON	1101	Intermediate Microeconomics	3
FE	405	Advanced Macroeconomic Theory (same as SE 402)	4	ECON	1111	Intermediate Macroeconomics	3
FE	411	Economic Development and Growth	3	ECON	0000	Non-Equivalent*	3
FE	422	Labor Economics	3	ECON	0401	Labor and The Economy	3
FE	437	Monetary Theory and Policy	3	ECON	0281	Introduction to Money and Banking	3
FF	101	Basic French I	3	FR	0000	Non-Equivalent*	3
FF	102	Basic French II	3	FR	0000	Non-Equivalent*	3
FF	201	Intermediate French I	3	FR	0000	Non-Equivalent*	3
FF	202	Intermediate French II	3	FR	0000	Non-Equivalent*	3
FF	301	Advanced French with Civilization Readings I	3	FR	0000	Non-Equivalent*	3
FF	302	Advanced French with Civilization Readings II	3	FR	0000	Non-Equivalent*	3
FF	411	Development of French Civilization	3	FR	0000	Non-Equivalent*	3
FF	412	Modern France	3	SOCSCI	0000	Non-Equivalent*	3
FF	421	Representative Readings in French Literature I	3	ENGLIT	0000	Non-Equivalent*	3
FF	422	Representative Readings in French Literature II	3	ENGLIT	0000	Non-Equivalent*	3
FG	101	Basic German I	3	LING	0000	Non-Equivalent*	3
FG	102	Basic German II	3	LING	0000	Non-Equivalent*	3
FG	201	Intermediate German I	3	LING	0000	Non-Equivalent*	3
FG	202	Intermediate German II	3	LING	0000	Non-Equivalent*	3
FG	310	Introduction to Contemporary Germany	3	SOCSCI	0000	Non-Equivalent*	3
FG	320	Introduction to German Literature	3	ENGLIT	0000	Non-Equivalent*	3
FG	411	Development of German Civilization	3	SOCSCI	0000	Non-Equivalent*	3
FG	412	Modern Germany	3	SOCSCI	0000	Non-Equivalent*	3
FG	421	Representative Readings in German Literature I	3	ENGLIT	0000	Non-Equivalent*	3
FG	422	Representative Readings in German Literature II	3	ENGLIT	0000	Non-Equivalent*	3
FJ	101	Basic Japanese I	3	LING	0000	Non-Equivalent*	3
FJ	102	Basic Japanese II	3	LING	0000	Non-Equivalent*	3

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FJ	201	Intermediate Japanese I	3	LING	0000	Non-Equivalent*	3
FJ	202	Intermediate Japanese II	3	LING	0000	Non-Equivalent*	3
FJ	301	Advanced Japanese I	3	LING	0000	Non-Equivalent*	3
FJ	302	Advanced Japanese II	3	LING	0000	Non-Equivalent*	3
FL	301	Intercultural Communication	3	COMMRC	0083	Intercultural Communication	3
FL	302	Intro to Cultural Anthropology	3	ANTH	0800	Introduction to Cultural Anthropology	3
FP	130	U.S. Government and Constitutional Development	3	PS	0206	American Political Process	3
FP	130X	U.S. Government and Constitutional Development	3	PS	0206	American Political Process	3
FP	210	Introduction to International Relations	3	PS	0000	Non-Equivalent*	3
FP	230	Intro to Comparative Politics	3	PS	0302	Comparative Politics	3
FP	314	Formulation of U.S. Foreign Policy	3	PS	0000	Non-Equivalent*	3
FP	322	Comparative European Politics	3	PS	0000	Non-Equivalent*	3
FP	323	Comparative Latin American Politics	3	PS	0000	Non-Equivalent*	3
FP	325	American Political Philosophy	3	PS	0601	Political Ideologies	3
FP	326	American Presidency	3	PS	1215	American Presidency	3
FP	328	Legislative Process	3	PS	0000	Non-Equivalent*	3
FP	340	Modern Political Thought and Ideology	3	PS	0000	Non-Equivalent*	3
FP	345	Environmental Politics and Security	3	PS	0000	Non-Equivalent*	3
FP	350	Political Economy	3	PS	0000	Non-Equivalent*	3
FP	355	Civil-Military Relations	3	PS	0000	Non-Equivalent*	3
FP	356	Conflict and Peacemaking	3	PS	0000	Non-Equivalent*	3
FP	357	Politics of China and Japan	3	PS	0000	Non-Equivalent*	3
FP	358	Politics of Southeast Asia	3	PS	0000	Non-Equivalent*	3
FP	360	Middle East International Politics	3	PS	0000	Non-Equivalent*	3
FP	365	African Comparative Politics	3	PS	0000	Non-Equivalent*	3
FP	366	African International Relations	3	PS	0000	Non-Equivalent*	3
FP	367	Politics of Russia and the CIS	3	PS	0000	Non-Equivalent*	3
FP	368	Comparative Asian Politics	3	PS	0000	Non-Equivalent*	3
FP	369	Middle Eastern Politics	3	PS	0000	Non-Equivalent*	3
FP	370	Foreign Policy of Russia and CIS	3	PS	0000	Non-Equivalent*	3
FP	371	Asian International Politics	3	PS	0000	Non-Equivalent*	3
FP	372	Political Parties, Campaigns and Interest Groups	3	PS	0000	Non-Equivalent*	3
FP	375	Politics and the Media	3	PS	0000	Non-Equivalent*	3
FP	384	Politics of Irregular Warfare	3	PS	0000	Non-Equivalent*	3
FP	397	Criminal Law and Justice	3	JAC	0000	Non-Equivalent*	3
FP	408	International Law	3	PS	0000	Non-Equivalent*	3

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SUBJECT	COURSE NUMBER	COURSE TITLE	TRANSFER CREDITS	SUBJECT	COURSE NUMBER	PITT JOHNSTOWN COURSE TITLE	CREDITS
FP	413	Constitutional Law: Federal System	3	PS	0000	Non-Equivalent*	3
FP	414	Constitutional Law: Civil Liberties	3	PS	0000	Non-Equivalent*	3
FP	420	Public Policy Analysis	3	PS	0000	Non-Equivalent*	3
FP	430	Political Philosophy	3	PHIL	0333	Political Philosophy	3
FP	440	Politics of Central Europe	3	PS	0000	Non-Equivalent*	3
FR	101	Basic Russian I	3	LING	0000	Non-Equivalent*	3
FR	102	Basic Russian II	3	LING	0000	Non-Equivalent*	3
FR	201	Intermediate Russian I	3	LING	0000	Non-Equivalent*	3
FR	202	Intermediate Russian II	3	LING	0000	Non-Equivalent*	3
FR	330	Advanced Russian with Civilization Readings I	3	LING	0000	Non-Equivalent*	3
FR	340	Advanced Russian with Civilization Readings II	3	LING	0000	Non-Equivalent*	3
FR	411	Development of Russian Civilization	3	SOCSCI	0000	Non-Equivalent*	3
FR	412	Modern Russia	3	SOCSCI	0000	Non-Equivalent*	3
FS	103	Basic Spanish I	3	SPAN	0101	Elementary Spanish 1	3
FS	104	Basic Spanish II	3	SPAN	0102	Elementary Spanish 2	3
FS	201	Intermediate Spanish I	3	SPAN	0211	Intermediate Spanish 1	3
FS	202	Intermediate Spanish II	3	SPAN	0212	Intermediate Spanish 2	3
FS	301	Advanced Spanish with Reading on Contemporary Spa	3	SPAN	0000	Non-Equivalent*	3
FS	304	Advanced Spanish with Reading on Contemporary Spa	3	SPAN	0000	Non-Equivalent*	3
FS	412	Contemporary Latin American Civilization	3	SOCSCI	0000	Non-Equivalent*	3
FS	413	Spanish Civilization	3	SOCSCI	0000	Non-Equivalent*	3
FS	421	Spanish Literature	3	ENGLIT	0000	Non-Equivalent*	3
FS	422	Spanish American Literature	3	ENGLIT	0000	Non-Equivalent*	3
HE	111	Rhetoric and Intro to Literature	3	ENGCOMP	0005	Composition 1	3
HE	112	Rhetoric and Intro to Literature	3	ENGCOMP	0006	Composition 2	3
HE	217	Early Western Literature	3	ENGLIT	0000	Non-Equivalent*	3
HE	218	Anglo-American Literature	3	ENGLIT	0000	Non-Equivalent*	3
HE	222	The Bible and Literature	3	ENGLIT	0598	Bible as Literature	3
HE	224	Literature and Science	3	ENGLIT	0000	Non-Equivalent*	3
HE	250	Literature of the Sea	3	ENGLIT	0000	Non-Equivalent*	3
HE	302	Forms of Poetry	3	ENGLIT	0000	Non-Equivalent*	3
HE	313	Chaucer and His Age	3	ENGLIT	0000	Non-Equivalent*	3
HE	314	The Renaissance Mind	3	ENGLIT	0000	Non-Equivalent*	3
HE	317	The Romantic Period	3	ENGLIT	0000	Non-Equivalent*	3
HE	318	Modern British Literature	3	ENGLIT	0056	British Literature 2	3
HE	319	Victorian Literature	3	ENGLIT	0000	Non-Equivalent*	3

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SUBJECT	COURSE NUMBER	COURSE TITLE	TRANSFER CREDITS	SUBJECT	COURSE NUMBER	PITT JOHNSTOWN COURSE TITLE	CREDITS
HE	320	Contemporary British Lit	3	ENGLIT	0000	Non-Equivalent*	3
HE	326	American Lit, 1607-1860	3	ENGLIT	0574	American Literature 1	3
HE	328	American Lit, 1860-1914	3	ENGLIT	0575	American Literature 2	3
HE	329	American Lit, 1914-1945	3	ENGLIT	1252	20th Century American Literature	3
HE	330	American Lit, 1945-Present	3	ENGLIT	0000	Non-Equivalent*	3
HE	333	Shakespeare	3	ENGLIT	0581	Introduction to Shakespeare	3
HE	340	African-American Literature	3	ENGLIT	0000	Non-Equivalent*	3
HE	343	Creative Writing	3	ENGWRT	0050	Introduction to Creative Writing	3
HE	360	Literature of War	3	ENGLIT	0000	Non-Equivalent*	3
HH	104	American Naval History	3	HIST	0000	Non-Equivalent*	3
HH	215	The West in the Premodern World	3	HIST	0000	Non-Equivalent*	3
HH	215A	Asia in the Premodern World	3	HIST	0425	Modern East Asia	3
HH	215M	The Middle East in the Premodern World	3	HIST	0000	Non-Equivalent*	3
HH	216	The West in the Modern World	3	HIST	0000	Non-Equivalent*	3
HH	262	Perspectives on History	3	HIST	0000	Non-Equivalent*	3
HH	311	Athens: Military Democracy	3	HIST	0000	Non-Equivalent*	3
HH	312	Imperial Rome	3	HIST	0000	Non-Equivalent*	3
HH	315	The Age of Chivalry and Faith	3	HIST	0000	Non-Equivalent*	3
HH	316	Age of Religious Wars	3	HIST	0000	Non-Equivalent*	3
HH	321	Revolutionary Russia - Peter the Great to Lenin	3	HIST	0000	Non-Equivalent*	3
HH	322	The Rise and Fall of Soviet Communism	3	HIST	0000	Non-Equivalent*	3
HH	326	Ireland and the Irish	3	HIST	0000	Non-Equivalent*	3
HH	327	Germany and the Nazi Experience	3	HIST	0000	Non-Equivalent*	3
HH	329	Modern France: Napoleon to De Gaulle	3	HIST	0000	Non-Equivalent*	3
HH	330	Imperial Encounters	3	HIST	0000	Non-Equivalent*	3
HH	331	Art and Ideas in Modern Europe	3	FA	0000	Non-Equivalent*	3
HH	337	Topics in European History	3	HIST	0000	Non-Equivalent*	3
HH	345	Colonial America	3	HIST	1400	Colonial America	3
HH	346	Revolutionary America and The Early Republic	3	HIST	0000	Non-Equivalent*	3
HH	347	Civil War and Reconstruction	3	HIST	0000	Non-Equivalent*	3
HH	349	Emergence of Modern America 1896-1945	3	HIST	0000	Non-Equivalent*	3
HH	350	United States Since World War II	3	HIST	0000	Non-Equivalent*	3
HH	352	Film and American Society	3	HIST	0000	Non-Equivalent*	3
HH	353	American Social History	3	HIST	0000	Non-Equivalent*	3
HH	354	America In World Affairs	3	HIST	0000	Non-Equivalent*	3
HH	355	Art and Ideas in American Society	3	FA	0000	Non-Equivalent*	3

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SUBJECT	COURSE NUMBER	COURSE TITLE	TRANSFER CREDITS	SUBJECT	COURSE NUMBER	PITT JOHNSTOWN COURSE TITLE	CREDITS
HH	357	Topics in U.S. History	3	HIST	0000	Non-Equivalent*	3
HH	360	U.S. Sectional History: The South	3	HIST	0000	Non-Equivalent*	3
HH	361	History of East Asia	3	HIST	0000	Non-Equivalent*	3
HH	362	History of the Middle East	3	HIST	0000	Non-Equivalent*	3
HH	363	Modern Latin America	3	HIST	0000	Non-Equivalent*	3
HH	364	History of Africa	3	HIST	0000	Non-Equivalent*	3
HH	365	Pre-Columbian and Iberian Empires	3	HIST	0000	Non-Equivalent*	3
HH	367	Topics in Regional History	3	HIST	0000	Non-Equivalent*	3
IC	210	Intro to Computing	4	CS	0100	Perspectives in Computer Science	3
IC	211	Object Oriented Programming	3	CS	0417	Intermediate Program using JAVA	3
IC	220	Computer Architecture & Org	3	CS	0456	Computer Systems Architecture	3
IC	221	Systems Programming	3	CS	0000	Non-Equivalent*	3
IC	312	Data Structures	3	CS	0458	Data Structures and Files	3
IC	322	Computer Networks	3	CS	0000	Non-Equivalent*	3
IC	411	Operating Systems	3	CS	1792	Computer Operating Systems	3
IC	470	Software Engineering	3	CS	1736	Software Engineering	3
IT	350	Web & Internet Programming	3	CS	1762	Web Programming	3
IT	360	Applied Database Systems	3	CS	0000	Non-Equivalent*	3
IT	462	Advanced Database Systems	3	CS	1765	Data Base Management Systems	3
IT	470	Enterprise Computing	3	CS	0000	Non-Equivalent*	3
NE	203	Ethics and Moral Reasoning for the Naval Leader	3	PHIL	0000	Non-Equivalent*	3
NL	110	Preparing to Lead	2	CAS	0000	Non-Equivalent*	2
NL	200	Human Behavior	3	PSY	0200	Introduction to Psychology	3
NL	211	Social Psychology	3	PSY	0210	Social Psychology	3
NL	212	Principles of Sociological Social Psychology	3	PSY	0000	Non-Equivalent*	3
NL	230	Introduction to Sociology	3	SOC	0100	Introduction to Sociology	3
NL	306	Personality	3	PSY	0240	Theories of Personality	3
NL	311	Psychology of Leadership	3	PSY	0000	Non-Equivalent*	3
NL	312	Abnormal Psychology	3	PSY	1141	Psychopathology	3
NL	330	Sociology of Marriage and Families	3	SOC	0000	Non-Equivalent*	3
NL	420	Communications as a Leader	3	COMMRC	0000	Non-Equivalent*	3
NL	450	Social Inequality	3	SOC	0600	Race and Ethnic Relations	3
NP	230	Introduction to Philosophy	3	PHIL	0083	Introduction to Philosophy	3
NP	232	Military Ethics: The Code of the Warrior	3	PHIL	0000	Non-Equivalent*	3
NP	250	Logic and Critical Thinking	3	PHIL	0501	Introduction to Logic	3
NP	335	Comparative Study of Religion	3	HIST	1602	Religions of the World	3

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SUBJECT	COURSE NUMBER	COURSE TITLE	TRANSFER CREDITS	SUBJECT	COURSE NUMBER	PITT JOHNSTOWN COURSE TITLE	CREDITS
NP	336	Philosophy of Religion	3	PHIL	0474	Philosophy of Religion	3
NP	340	Philosophy of Science	3	PHIL	1611	Introduction to Philosophy of Science	3
NP	410	Philosophy of War	3	PHIL	0000	Non-Equivalent*	3
SA	442	Applied Statistics II	3	STAT	0000	Non-Equivalent*	3
SB	201	Biology for the Naval Officer	3	BIOL	0080	Life Sciences	3
SB	211	Biology for Naval Ofcr W Lab	4	BIOL	0080	Life Sciences	3
SB	251	General Biology I	4	BIOL	0000	Non-Equivalent*	4
SB	251/252	General Biology I / General Biology II	4, 4	BIOL	0110/0111/0120/0121	General Biology 1 / General Biology Laboratory 1 / General Biology 2 / General Biology Laboratory 2	3, 1, 3, 1
SB	252	General Biology II	4	BIOL	0000	Non-Equivalent*	4
SB	338	Molecular & General Genetics (same as SC 338)	3	BIOL	0352	Genetics	3
SC	111	Foundations of Chemistry I	4	CHEM	0111/0113	General Chemistry 1 / General Chemistry Laboratory 1	3, 1
SC	112	Foundations of Chemistry II	4	CHEM	0112/0114	General Chemistry 2 / General Chemistry Laboratory 2	3, 1
SC	221	Chemistry in Modern Warfare	3	CHEM	0000	Non-Equivalent*	3
SC	311	Marine and Atmospheric Chem	3	CHEM	0000	Non-Equivalent*	3
SC	341	Chem Engineering Processes	3	CHEM	0000	Non-Equivalent*	3
SC	345	Physical Chemistry I	3	CHEM	1342	Physical Chemistry 2	3
SC	346	Physical Chemistry II	3	CHEM	1341	Physical Chemistry 1	3
SC	356	Inorganic Chemistry	4	CHEM	1131	Inorganic Chemistry	3
SC	361	Integrated Lab III	3	CHEM	0000	Non-Equivalent*	3
SC	364	Integrated Lab IV - Advanced Lab and Seminar	3	CHEM	0000	Non-Equivalent*	3
SC	412	Environmental Chemistry	3	CHEM	0000	Non-Equivalent*	3
SC	416	Analytical Chemistry in Forensics	3	CHEM	0000	Non-Equivalent*	3
SC	421	Polymer Chemistry	3	CHEM	1331	Polymer Chemistry	3
SC	425	Medicinal Chemistry	3	CHEM	1332	Medicinal Chemistry	3
SC	431	Microbial Chemistry (same as SB 431)	3	CHEM	0000	Non-Equivalent*	3
SC	435	Biophysical Chemistry	3	CHEM	0000	Non-Equivalent*	3
SC	442	Propellants and Explosives	3	CHEM	0000	Non-Equivalent*	3
SC	446	Quantum Chemistry	3	CHEM	0000	Non-Equivalent*	3
SC	451	Bioinorganic Chemistry	3	CHEM	0000	Non-Equivalent*	3
SE	201	Principles of Microeconomics	3	ECON	0105	Introduction to Microeconomic Theory	3
SE	202	Principles of Macroeconomics	3	ECON	0115	Introduction to Macroeconomic Theory	3
SE	312	Macroeconomics (same as FE 312)	3	ECON	1111	Intermediate Macroeconomics	3
SE	341	Microeconomics (same as FE 341)	3	ECON	1101	Intermediate Microeconomics	3
SE	401	Advanced Microeconomic Theory (same as FE 400)	4	ECON	1101	Intermediate Microeconomics	3
SE	402	Advanced Macroeconomic Theory (same as FE 405)	4	ECON	1111	Intermediate Macroeconomics	3

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SUBJECT	COURSE NUMBER	COURSE TITLE	TRANSFER CREDITS	SUBJECT	COURSE NUMBER	PITT JOHNSTOWN COURSE TITLE	CREDITS
SI	221	Data Structures	3	CS	0455	Algorithms and Information Structures	3
SI	335	Computer Algorithms	3	CS	0000	Non-Equivalent*	3
SI	340	Theory of Computing	3	CS	0000	Non-Equivalent*	3
SI	413	Programming Languages	3	CS	1720	Programming Languages	3
SI	425	Natural Language Processing	3	CS	1163	Advanced Topics in Computer Science	3
SI	435	Advanced Software Engineering	3	CS	1735	Software Design Methodology	3
SI	440	Database Systems	3	CS	1765	Data Base Management Systems	3
SI	452	Advanced Computer Architecture	3	CS	0000	Non-Equivalent	3
SM	005	Pre-Calculus Mathematics	4	MATH	0004	Precalculus: Functions and Trigonometry	4
SM	121	Calculus I	4	MATH	0221	Analytic Geometry and Calculus 1	4
SM	122	Calculus II	4	MATH	0231	Analytic Geometry and Calculus 2	4
SM	122X	Multivar Calculus W/Review	4	MATH	0241	Analytic Geometry and Calculus 3	4
SM	131	Calculus I	3	MATH	0000	Non-Equivalent*	3
SM	161	Calculus with Computers I	5	MATH	0000	Non-Equivalent*	5
SM	162	Calculus with Computers II	5	MATH	0000	Non-Equivalent*	5
SM	212	Differential Equations	4	MATH	1035	Differential Equations with Matrix Theory	4
SM	219	Introductory Statistics	3	STAT	1020	Social Statistics	3
SM	221	Calculus III with Vector Fields	4	MATH	0241	Analytic Geometry and Calculus 3	4
SM	221X	Multivariable Calculus with Infinite Series	4	MATH	0241	Analytic Geometry and Calculus 3	4
SM	222	Differential Equations with Matrices	4	MATH	1035	Differential Equations with Matrix Theory	4
SM	223	Calculus II with Optimization	4	MATH	0241	Analytic Geometry and Calculus 3	4
SM	233	Introduction to Applied Mathematics	3	MATH	0000	Non-Equivalent*	3
SM	239	Probability and Statistics I	3	MATH	1153	Introduction to Probability and Statistics 1	3
SM	242	Discrete Math & Probability	4	MATH	0401	Discrete Mathematical Structures	3
SM	259	Mathematical Logic	3	MATH	0401	Discrete Mathematical Structures	3
SM	261	Matrix Theory	3	MATH	0000	Non-Equivalent*	3
SM	279	Multivariable Calculus	3	MATH	0000	Non-Equivalent*	3
SM	286A	Mathematics for Economics	3	ECON	0000	Non-Equivalent*	3
SM	291	Fundamentals of Mathematics	3	MATH	1012	Introduction to Theoretical Mathematics	3
SM	331	Advanced Calculus I	4	MATH	1531	Advanced Calculus	3
SM	334	Elements of Advanced Calculus	3	MATH	1531	Advanced Calculus	3
SM	339	Applied Statistics I	3	MATH	1296	Topics in Applied Statistics	3
SM	342	Discrete Structures	3	MATH	1051	Combinatorial Mathematics	3
SM	361	Intermediate Linear Algebra	4	MATH	1181	Linear Algebra	3
SM	444	Discrete Structures II	3	MATH	1051	Combinatorial Mathematics	3
SM	461	Linear Algebra	3	MATH	1181	Linear Algebra	3

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SO	221	Introduction to Oceanography	3	GEOL	0000	Non-Equivalent*	3
SO	231	General Oceanography I	4	GEOL	0000	Non-Equivalent*	4
SO	234	General Oceanography II	3	GEOL	0000	Non-Equivalent*	3
SO	244	Basic Atmospheric Processes	3	GEOL	0000	Non-Equivalent*	3
SO	262	Physical Geography	3	GEO	0100	The Physical Earth	3
SO	432	Geographic Information Systems	3	GEOG	0000	Non-Equivalent*	3
SP	211	General Physics I	4	PHYS	0150/0151	Physics 1 / Physics Laboratory 1	3, 1
SP	212	General Physics II	4	PHYS	0152/0153	Physics 2 / Physics Laboratory 2	3, 1
SP	310	Astronomy	3	GEO	0010	Principles of Astronomy	3
<p>NOTE: This information is meant to be a GENERAL guide for students in planning appropriate courses for transfer to the University of Pittsburgh at Johnstown. The University recommends that a student refer to major requirements in conjunction with this transfer information.</p> <p>An official evaluation of transfer credits will not be completed until after the student has made application for admission and has provided the University of Pittsburgh at Johnstown with an "official" transcript from their previous institution.</p> <p>* Non-Equivalent credits may be used toward graduation as free electives .</p>							