



SYRACUSE UNIVERSITY

Introduction

This articulation agreement is developed as a tool for advisement to assist in the transferability of comparable coursework from Georgia Perimeter College to parallel programs of study at Syracuse University.

Objectives

Syracuse University enters into this agreement with the following objectives:

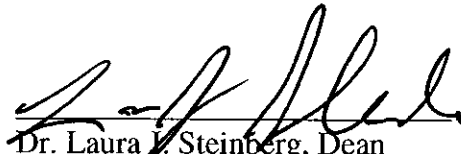
1. To attract qualified community college students into Syracuse University.
2. To facilitate an efficient and smooth transition into Syracuse University from Georgia Perimeter College programs.
3. To provide a path of coursework at Georgia Perimeter College that is applicable to programs of study at Syracuse University.
4. To encourage academic coordination, faculty and administrative interactions, and student engagement.

Terms of Agreement

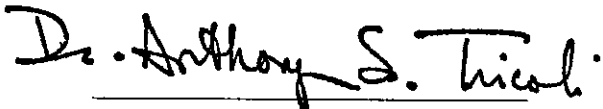
The establishment of this agreement, the two academic institutions agree to the following terms:

1. Georgia Perimeter College agrees to designate faculty and academic/transfer advisors to facilitate the advisement for students interested in transferring to Syracuse University.
2. Students of Georgia Perimeter College who have obtained a GPA of 3.0 or better in the engineering science program are found academically qualified for L.C. Smith College of Engineering & Computer Science (LCS). The final admission decision is made by the office of admission of Syracuse University.
3. Syracuse University agrees to accept the attached list of coursework into the Bachelor of Arts or Bachelor of Science programs; provided achievement be no less than a grade of C or better. The maximum number of transferable credit is 66 credit hours.
4. Syracuse University agrees to accept qualified candidates who meet the admissions standards of the desired program of study at the time of admission. Admission to SU is contingent upon a continued record of good citizenship and character. Admissibility into the program of study to be determined by the Undergraduate Admissions Office.
5. The agreement will be subject to annual review by both Georgia Perimeter College and Syracuse University, or in the event there are changes to the curriculum at either institution.
6. Georgia Perimeter College and Syracuse University will recognize and promote the agreement with prospective transfer students.
7. Faculty and administrators at Georgia Perimeter College and Syracuse University will continue to develop collaborative ways to engage prospective transfer students.

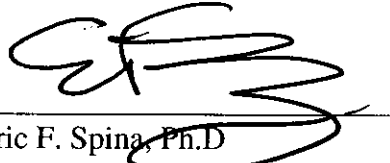
Georgia Perimeter College and Syracuse University authorize this agreement to become effective June 1st, 2010.



Dr. Laura J. Steinberg, Dean
L.C. Smith College of Engineering & Computer Science
Syracuse University



Dr. Anthony S. Tricoli
President
Georgia Perimeter College



Eric F. Spina, Ph.D
Vice Chancellor and Provost
Syracuse University

College of Engineering and Computer Science

Aerospace Engineering

Fall 2009

Georgia Perimeter College

Name _____

SUID _____

	GPC Credit	FIRST-YEAR		SOPHOMORE		JUNIOR		SENIOR		VAR +/-
		F	S	F	S	F	S	F	S	
MATHEMATICS (18)										
MAT295	Calculus 1	MATH 2431	4							
MAT296	Calculus 2	MATH 2432		4						
MAT397	Calculus 3	MATH 2633			4					
MAT331	Linear Algebra	MATH 2641			3					
MAT514	Intro. Differential Equations	MATH 2652				3				
SCIENCES (12)										
CHE106	General Chemistry 1	CHEM 1211	3							
CHE107	General Chemistry Lab 1	CHEM 1211L	1							
PHY211	General Physics 1	PHYS 2211		3						
PHY221	General Physics Lab 1	PHYS 2211L		1						
PHY212	General Physics 2	PHYS 2212			3					
PHY222	General Physics Lab 2	PHYS 2212L			1					
ENGLISH/SOCIAL SCIENCE/HUMANITIES (12)										
WRT105	Studio 1: Practices of Academic Writing	ENGL 1101	3							
WRT205	Studio 2: Critical Research and Writing	ENGL 1102			3					
SSH Elective	_____		3							
SSH Elective	_____			3						
PROGRAM CUSTOMIZATION (18)										
Course1	_____			3						
Course2	_____					3				
Course3	_____						3			
Course4	_____						3			
Course5	<u>CHE 116</u>	CHEM 1212						3		
Course6	_____								3	
ENGINEERING (26)										
ECS101	Intro. to Engr. & Comp. Sci.	ENGR 1603	3							
ECS104	Engr. Comp. Tools	ENGR 1608		3						
ECS221	Statics	ENGR 2605			3					
ECS222	Dynamics	ENGR 2606				3				
ECS325	Mechanics of Solids					4				
ECS326	Engr. Materials, Prop. & Proc.						3			
ELE231	Elec. Engr. Fundamentals 1						3			
ELE291	Electrical Laboratory I						1			
ELE312	Control Systems								3	
AEROSPACE ENGINEERING (42)										
AEE342	Aerodynamics						4			
AEE343	Compressible Flow						3			
AEE427	Dynamics of Aero. Vehicles							4		
AEE446	Propulsion							3		
AEE471	Des. & Anal. of Aero. Struct.							4		
AEE472	Syn. of Aerospace Systems								4	
AEE577	Space Flt. & Rockets								3	
MAE184	Engr. Graphics & CAD	ENGR 1011		3						
MAE251	Thermodynamics				4					
MAE315	Mech/Aero Lab I					3				
MAE321	Dynamics of Mechanical Systems						3			
MAE341	Fluid Mechanics					4				
TOTAL CREDITS		54	17	17	17	17	17	16	14	13

College of Engineering and Computer Science

Bioengineering

Fall 2009

Georgia Perimeter College

NAME _____

SUID _____

GPC Credit	FIRST-YEAR		SOPHOMORE		JUNIOR		SENIOR		VAR	
	F	S	F	S	F	S	F	S	+/-	
MATHEMATICS (15)										
MAT295	Calculus 1									
MAT296	Calculus 2									
MAT397	Calculus 3									
MAT485	Diff. Equations & Matrix Algebra									
SCIENCES (24)										
BIO 327	Genetics & Cell Biology II									
CHE106	General Chemistry 1									
CHE107	General Chemistry Lab 1									
CHE116	General Chemistry 2									
CHE117	General Chemistry Lab 2									
CHE275	Organic Chemistry 1									
CHE276	Organic Chemistry Lab 1									
PHY211	General Physics 1									
PHY221	General Physics Lab 1									
PHY212	General Physics 2									
PHY222	General Physics Lab 2									
ENGLISH/SOCIAL SCIENCE/HUMANITIES (24)										
WRT105	Studio 1: Practices of Academic Writing									
WRT205	Studio 2: Critical Research and Writing									
SSH Elective	_____									
SSH Elective	_____									
SSH Elective	_____									
SSH Elective	_____									
SSH Elective	_____									
SSH Elective	_____									
ENGINEERING (18)										
ECS101	Intro. to Engineering & Computer Sci									
ECS104	Engr. Comp. Tools									
ECS221	Statics									
ECS326	Engr. Materials, Prop. & Proc.									
ELE231	Electrical Engr. Fundamentals I									
ELE232	Electrical Engr. Fundamentals II									
BIOENGINEERING (41)										
BEN212	Exp. Methods in Chem. & Bioengr.									
BEN231	Intro to Biomed & Chem Engr. Prin.									
BEN301	Biological Principles for Engineers									
BEN333	Bioengineering Fluid Mechanics									
BEN341	Fund. of Heat & Mass Transfer									
BEN365	Quantitative Physiology									
BEN465	Biomechanics									
BEN468	Biomaterials									
BEN481	Bioinstrumentation									
BEN485	Bioengineering Lab									
BEN487	Bioengineering Capstone Design									
BEN575	Control Systems for Bioengineers									
ELECTIVES (9)										
Tech Elec	____ECS 222_____									
Tech Elec	_____									
Tech Elec	____MAT 331_____									
TOTAL CREDITS		56	17	15	16	18	16	17	16	16

*To receive credit for MAT 485, both MATH 2652 and MATH 2641 must be taken, MAT 2641 will be used as a Technical Elective

College of Engineering and Computer Science

Chemical Engineering

Fall 2009

Georgia Perimeter College

Name _____

SUID _____

	COURSE	FIRST YEAR		SOPHOMORE		JUNIOR		SENIOR		VAR
		F	S	F	S	F	S	F	S	
MATHEMATICS (15)										
MAT295	Calculus 1	4								
MAT296	Calculus 2		4							
MAT397	Calculus 3			4						
MAT485	Diff. Equations & Matrix Algebra				3					
SCIENCES (29)										
CHE106	General Chemistry 1	3								
CHE107	General Chemistry Lab 1	1								
CHE116	General Chemistry 2		3							
CHE117	General Chemistry Lab 2		1							
CHE275	Organic Chemistry 1					3				
CHE276	Organic Chemistry Lab 1					2				-1
CHE346	Physical Chemistry 1			3						
CHE347	Physical Chemistry Lab 1			2						
CHE356	Physical Chemistry 2				3					
PHY211	General Physics 1		3							
PHY221	General Physics Lab 1		1							
PHY212	General Physics 2			3						
PHY222	General Physics Lab 2			1						
ENGLISH/SOCIAL SCIENCE/HUMANITIES (27)										
WRT105	Studio 1: Practices of Academic Writing	3								
WRT205	Studio 2: Critical Research and Writing			3						
WRT307	Adv. Wrt Studio: Professional Writing					3				
SSH Elective	_____	3								
SSH Elective	_____			3						
SSH Elective	_____					3				
SSH Elective	_____							3		
SSH Elective	_____							3		
SSH Elective	_____								3	
ENGINEERING (9)										
ECS101	Intro. to Engr. & Comp. Sci.	3								
ECS104	Engr. Comput. Tools		3							
ECS326	Engr. Materials, Prop. & Proc.					3				
CHEMICAL ENGINEERING (36)										
CEN212	Exp. Methods in Chem & Bioengr.				3					
CEN231	Intro. to Chem. Engr. Principles			3						
CEN252	Chem.Engr. Thermodynamics 1				3					
CEN311	Chemical Engineering Lab 1						2			
CEN333	Chem. Engr. Fluid Mechanics					3				
CEN341	Fund. Of Heat & Mass Trsfr						4			
CEN353	Chem.Engr. Thermodynamics 2					3				
CEN412	Chemical Engineering Lab 2							2		
CEN542	Mass & Heat Trans.Operation							3		
CEN574	Process Design								4	
CEN575	Chemical Process Control					3				
CEN587	Chemical Reaction Engr.							3		
TECH ELECTIVE (12)										
Tech Elective	ECS 221					3				
Tech Elective	ECS 222							3		
Tech Elective	MAT 331								3	
Tech Elective	_____								3	
TOTAL CREDITS		56	17	15	16	18	17	15	17	13

*To receive credit for MAT 485, both MAT 2652 and MATH 2641 must be taken, MATH 2641 will be used as a Technical Elective.

College of Engineering & Computer Science

Civil Engineering

Fall 2009

Name _____

SUID _____

Georgia Perimeter College

	GPC Credit	FIRST-YEAR		SOPHOMORE		JUNIOR		SENIOR		VAR
		F	S	F	S	F	S	F	S	+/-
MATHEMATICS (15)										
MAT295 Calculus 1	MATH 2341	4								
MAT296 Calculus 2	MATH 2432		4							
MAT397 Calculus 3	MATH 2633			4						
MAT485 Diff. Equations & Matrix Algebra	MATH 2652				3					
SCIENCES (16)										
CHE106 General Chemistry 1	CHEM 1211	3								
CHE107 General Chemistry Lab 1	CHEM 1211L	1								
PHY211 General Physics 1	PHYS 2211		3							
PHY221 General Physics Lab 1	PHYS 2211L		1							
PHY212 General Physics 2	PHYS 2212			3						
PHY222 General Physics Lab 2	PHYS 2212L			1						
Select one of the following two courses:										
EAR101 Dynamic Earth (4)			4 or 4							
EAR203 Earth System Science (4)										
ENGLISH (9)										
WRT105 Studio 1: Practices of Academic Writing	ENGL 1101	3								
WRT205 Studio 2: Critical Research and Writing	ENGL 1102			3						
WRT307 Adv Writing Studio: Professional Writing						3				
SOCIAL SCIENCE /HUMANITIES (18) (See curriculum notes)										
SSH Elective _____	SSH	3								
SSH Elective _____	SSH		3							
SSH Elective _____			3 or 3							
SSH Elective _____						3				
SSH Elective _____								3		
SSH Elective _____									3	
ENGINEERING (16/17)										
ECS101 Intro. to Engr. & Comp. Sci.	ENGR 1603	3								
ECS221 Statics	ENGR 2605			3						
ECS325 Mechanics of Solids				4						
ECS326 Engineering Materials						3				
Select One of the Following 3 Courses:										
ECS222 Dynamics (3)	ENGR 2606			3 or 4						
ELE231 Elec. Engr. Fundamentals I (3 or 4)										
MAE251 Thermodynamics (4)										
CIVIL ENGINEERING (41) D=16.00										
CIE272 Civil Engineering Analysis				3						
CIE274 Civil & Environmental Engr. System				3						
CIE327/MAE341 Fluid Mechanics						4				
CIE331 Analysis of Structures and Materials						3				
CIE332 Design of Concrete Structures 2.00							3			
CIE337 Intro to Geotechnical Engineering 1.00						4				
CIE338 Foundation Engineering 2.00							3			
CIE341 Intro to Environmental Engr. 1.00						3				
CIE352 Water Resources Engr. 2.00							4			
CIE443 Transportation Engineering 2.00								3		
CIE442 Treatment Proc. in Envir. Engr 2.00								4		
CIE475 Capstone Design 4.00									4	
ELECTIVES (12)										
Free Elective MAE 184 _____	ENGR 1011							3		
Prof. Elective MAT 331 _____	MATH 2641								3	
Tech Elective _____								3		
Tech Elective _____									3	
TOTAL CREDITS	54	17	14-15	17-18	16-17	17	16	16	13	

*To receive credit for MAT 485, both MATH 2652 and MATH 2641 must be taken, MATH 2641 will be used as a Prof. Elec.

College of Engineering and Computer Science

Computer Engineering

Name _____

Fall 2009

SUID _____

Georgia Perimeter College

Concentration (circle one): HWS or SWS

Minor(s), if any: _____

COURSE	CREDITS	FIRST-YEAR		SOPHOMORE		JUNIOR		SENIOR		VAR
		F	S	F	S	F	S	F	S	
MATHEMATICS (21)										
CIS275 Intro to Discrete Mathematics				3						
MAT295 Calculus 1		4								
MAT296 Calculus 2			4							
MAT397 Calculus 3				4						
MAT485 Diff. Equations & Matrix Algebra					3					
MAT521 Intro. to Probability and Statistics*						3				
SCIENCES (12)										
CHE106 General Chemistry 1				3						
CHE107 General Chemistry Lab 1		1								
PHY211 General Physics 1			3							
PHY221 General Physics Lab 1			1							
PHY212 General Physics 2				3						
PHY222 General Physics Lab 2				1						
ENGLISH (12)										
WRT105 Studio 1: Practices of Academic Writing		3								
WRT205 Studio 2: Critical Research and Writing				3						
WRT307 Adv. Wrt Studio: Professional Writing						3				
WRT407 Adv. Wrkshp in Prof, Tech, or Disc. Writing								3		
SOC. SCIENCE/HUMANITIES/GEN. ED. (12)										
ECS392 Ethical Aspects of ECS						3				
PHI 251 Logic		3								
SSH Elective _____			3							
SSH Elective _____						3				
ENGINEERING (17)										
ECS101 Intro. to Engr. & Comp. Sci.		3								
ECS102 Intro. to Computing			3							
ELE231 Electrical Engr. Fundamentals I				3						
ELE232 Electrical Engr. Fundamentals II					3					
ELE291 Electrical Lab. 1				1						
ELE292 Electrical Lab. 2					1					
ELE331 Digital Circuits & Systems						3				
ELE558 Data Networks: Basic Principles							3			
COMPUTER ENGINEERING (31)										
CSE261 Digital Logic Design					3					
CSE281 Comp. Org. & Assem. Lang.						3				
CSE283 Intro. To Object-Oriented Design				3						
CSE381 Computer Architecture							3			
CSE382 Algorithms & Data Structures					3					
CSE397 Computer Laboratory 1						3				
CSE398 Computer Laboratory 2							3			
CSE497 Senior Design Project								3		
CSE497 Senior Design Project									1	
CSE486 Design of Operating Systems								3		
TECHNICAL ELECTIVES (15)										
Tech Elective _____								3		
Tech Elective _____								3		
Tech Elective _____									3	
Tech Elective _____									3	
Tech Elective _____									3	
NON-ENG./COMP. SCIENCE ELECTIVES (9)										
Non-Eng./Comp. Sci. Elective MAT 331			3							
Non-Eng./Comp. Sci. Elective ECS 221								3		
Non-Eng./Comp. Sci. Elective ECS 222									3	
TOTAL CREDITS		54	17	17	18	16	15	15	15	16

*To receive credit for MAT 485, both MATH 2652 and MATH 2641 must be taken, MATH 2641 will be used as a Non-Engr/Comp Sci elective.

College of Engineering & Computer Science

Environmental Engineering

Fall 2009

Georgia Perimeter College

Name _____

SUID _____

	Credits	Prerequisites	FIRST-YEAR		SOPHOMORE		JUNIOR		SENIOR		VAR
			F	S	F	S	F	S	F	S	
MATHEMATICS (15)											
MAT295	Calculus 1	MATH 2431	4								
MAT296	Calculus 2	MATH 2432		4							
MAT397	Calculus 3	MATH 2633			4						
MAT485	Diff. Equations & Matrix Algebra	MATH 2652				3					
SCIENCES (20)											
CHE106	General Chemistry 1	CHEM 1211	3								
CHE107	General Chemistry Lab 1	CHEM 1211L	1								
CHE116	General Chemistry 2	CHEM 1212		3							
CHE117	General Chemistry Lab 2	CHEM 1212L		1							
PHY211	General Physics 1	PHYS 2211		3							
PHY221	General Physics Lab 1	PHYS 2211L		1							
EAR203	Earth System Science				4						
GEO383	Geographic Information System						4				
ENGLISH (6)											
WRT105	Studio 1: Practices of Academic Writing	ENGL 1101	3								
WRT205	Studio 2: Critical Research and Writing	ENGL 1102			3						
SOCIAL SCIENCE /HUMANITIES (18) (See curriculum notes)											
SSH Elective _____		SSH	3								
SSH Elective _____				3							
SSH Elective _____					3						
SSH Elective _____					3						
SSH Elective _____							3				
SSH Elective _____							3				
ENGINEERING (16/17)											
ECS101	Intro. to Engr. & Comp. Sci.	ENGR 1603 ENGR 2605	3								
ECS221	Statics				3						
ECS325	Mechanics of Solids				4						
ERE441	Air Pollution Engineering							3			
Select One of the Following 5 Courses:								3 or 4			
ECS222	Dynamics (3)	ENGR 2606									
ECS326	Engineering Materials										
ELE231	Elec. Engr. Fundamentals (3 or 4)										
MAE251	Thermodynamics (4)										
CHE346	Physical Chemistry (3)										
ENVIRONMENTAL ENGINEERING (35) D=12											
CIE272	Civil & Envir. Engr Measurements				3						
CIE274	Civil & Environmental Engr. Systems					3					
CIE327/MAE341	Fluid Mechanics						4				
CIE337	Intro to Geotechnical Engineering	1.00					4				
CIE341	Intro Environmental Engineering	1.00					3				
CIE352	Water Resources Engr.	2.00						4			
CIE442	Treatment Proc. In Enviromental Engr.	2.00							4		
CIE471	Env. Chemistry Analysis	1.00							3		
CIE472	Applied Env. Microbiology	1.00							3		
CIE475	Capstone Design	4.00								4	
ELECTIVES (18)											
Prof. Elective <u>MAT 331</u>		MATH 2641 ENGR 1011						3			
Prof. Elective <u>MAE 184</u>									3		
Prof. Elective _____										3	
Tech Elective _____										3	
Tech Elective _____										3	
Free Elective <u>PHY 212/222</u>		PHYS 2212							3		
TOTAL CREDITS			54	17	15	16	17	17	17-18	16	13

*To receive credit for MAT 485, both MATH 2652 and MATH 2641 must be taken, MATH 2641 will be used as a Prof. Elective.

College of Engineering and Computer Science

Mechanical Engineering

Fall 2009

Georgia Perimeter College

Name _____

SUID _____

	GPC Credit	FIRST-YEAR		SOPHOMORE		JUNIOR		SENIOR		VAR
		F	S	F	S	F	S	F	S	+/-
MATHEMATICS (21)										
MAT295	Calculus 1	4								
MAT296	Calculus 2		4							
MAT397	Calculus 3			4						
MAT331	Linear Algebra			3						
MAT514	Intro. Differential Equations				3					
MAT521	Intro. to Probability & Stats							3		
SCIENCES (12)										
CHE106	General Chemistry 1	3								
CHE107	General Chemistry Lab 1	1								
PHY211	General Physics 1		3							
PHY221	General Physics Lab 1		1							
PHY212	General Physics 2			3						
PHY222	General Physics Lab 2			1						
ENGLISH/SOCIAL SCIENCE/HUMANITIES (12)										
WRT105	Studio 1: Practices of Academic Writing	3								
WRT205	Studio 2: Critical Research and Writing						3			
SSH Elective	_____	3								
SSH Elective	_____		3							
PROGRAM CUSTOMIZATION (21)										
Course1	_____			3						
Course2	_____					3				
Course3	_____						3			
Course4	_____							3		
Course5	_____							3		
Course6	CHE 116								3	
Course7	_____								3	
ENGINEERING (22)										
ECS101	Intro. to Engr. & Comp. Sci.	3								
ECS 104	Engr. Comp Tools		3							
ECS221	Statics			3						
ECS222	Dynamics				3					
ECS325	Mechanics of Solids				4					
ECS326	Engr. Materials, Prop. & Proc.					3				
ELE231	Elec. Engr. Fundamentals 1					3				
ELE291	Elec. Engr. Laboratory 1					1				
ELE312	Linear Control Systems								3	
MECHANICAL ENGINEERING (40)										
MAE184	Engr. Graphics & CAD		3							
MAE251	Thermodynamics				4					
MAE315	Mech/Aero Lab I					3				
MAE321	Dynamics of Mech. Systems						3			
MAE341	Fluid Mechanics					4				
MAE355	Heat Transfer						4			
MEE332	Intro. Mach. Des. & Mfg.						4			
MEE416	Mechanical Engr. Lab							1		
MEE471	Syn. Mech. Systems 1							3		
MEE472	Syn. Mech. Systems 2								4	
MFE 331	Manufacturing Processes				3					
TOTAL CREDITS		54	17	17	17	17	17	13	13	