



UNIVERSITY OF
SOUTH FLORIDA

PROGRAM GRIDS

2020-2021



International Year One in Architecture

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information
	168 credit hour program 16 credit hours apply from Pathway 152 credit hours remaining toward degree			
Entry Requirements • High school diploma equivalency; 2.5 out of 4.0 GPA.	Semester 1	Course Title	Credit Hours	Progression Requirements • 2.5 GPA • No "U" grade in a class • No "W" or "I" grade in a class • Grade of "C" or better in all classes • SAT or ACT on record but no minimum scores required.
Language Requirements • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176	SLS 2901	Academic Foundations	3	Notes Math placement will be dictated by a placement test that is administered after arrival during orientation. SLS 2901: Offered for students beginning in Fall or Spring.
	HUM 1020	Introduction to Humanities	3	
	MAC 2311	Calculus I	4	
	ARC 2211	Introduction to Architecture	3	
	ENC 1101	Composition I	3	
	Total 16			
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021 11 May 2021	Degree Program Components			
	168 credit hour program 19 credit hours apply from Pathway 149 credit hours remaining toward degree			
Entry Requirements • High school diploma equivalency; 2.5 out of 4.0 GPA.	Semester 1	Course Title	Credit Hours	* These courses are generally delivered through the INTO Centre and are for Pathway students only.
Language Requirements • TOEFL 60 • IELTS 5.5 • PTEA 44 • Password Level 6 • Completion of Academic English Level 4 • IELA 162 • or Duolingo 90.	EAP 1850	English for International Students I*	6	
	SLS 2901	Academic Foundations	3	
	ARC 2211	Introduction to Architecture	3	
	MAC 2233	Business Calculus	3	
	Total 15			
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
	AMH 2020	American History II	3	
	ARC 2131	Introduction to Architecture Design & Graphics	4	
	PHY 2020	Conceptual Physics	3	
	Total 16			

International Year One in Business

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International Year One in Computer Science/Computer Engineering

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International Year One in General

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<p>Program Length Accelerated - 1 Semester</p> <p>18 August 2020 05 January 2021 11 May 2021</p>	<p>Degree Program Components</p> <p>120 credit hour program 15 credit hours apply from Pathway 105 credit hours remaining toward degree</p>																																					
<p>Entry Requirements</p> <ul style="list-style-type: none"> • High school diploma equivalency; 2.5 out of 4.0 GPA. <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176. 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>HUM 1020</td> <td>Introduction to Humanities</td> <td>3</td> </tr> <tr> <td>SLS 2901</td> <td>Academic Foundations</td> <td>3</td> </tr> <tr> <td>MAC 1105</td> <td>College Algebra</td> <td>3</td> </tr> <tr> <td>ENC 1101</td> <td>Composition I</td> <td>3</td> </tr> <tr> <td></td> <td>Major-Specific Elective</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>15</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	HUM 1020	Introduction to Humanities	3	SLS 2901	Academic Foundations	3	MAC 1105	College Algebra	3	ENC 1101	Composition I	3		Major-Specific Elective	3	Total		15	<p>Students can choose from the following list of sample electives: PSY 2012 Introduction to Psychological Sciences SYG 2000 Introduction to Sociology LIN 2002 Language, Culture and Film LAH 2020 Latin American Civilization MUH 2051 Folk and Traditional Music of World Cultures</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p>															
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Total		15																																				

International Year One in Natural and Health Sciences

Program Length Accelerated - 1 Semester	Degree Program Components	Program Information
18 August 2020 05 January 2021 11 May 2021	120 credit hour program 16 credit hours apply from Pathway 104 credit hours remaining toward degree	
Entry Requirements • High school diploma equivalency; 2.5 out of 4.0 GPA.	Semester 1	Progression Requirements
Language Requirements • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176.	Course Title	• 2.5 GPA • No "U" grade in a class • No "W" or "I" grade in a class • Grade of "C" or better in all classes • SAT or ACT on record but no minimum scores required.
	Credit Hours	Notes
	SLS 2901 Academic Foundations 3	Because of the intense nature of Summer classes, students will be enrolled in fewer credit hours for the Summer semester. Math placement will be dictated by a placement test that is administered after arrival during orientation. SLS 2901: Offered for students beginning in Fall or Spring. CHM 2045: Offered for students beginning in Fall or Spring. CHM 2045L: Offered for students beginning in Fall or Spring.
	HUM 1020 Introduction to Humanities 3	
	ENC 1101 Composition I 3	
	MAC 2241 Life Science Calculus I 3	
	CHM 2045 General Chemistry I 3	
	CHM 2045L General Chemistry I Lab 1	
	Total 16	
Program Length Standard - 2 Semesters	Degree Program Components	
18 August 2020 05 January 2021 11 May 2021	120 credit hour program 32 credit hours apply from Pathway 88 credit hours remaining toward degree	
Entry Requirements • High school diploma equivalency; 2.5 out of 4.0 GPA.	Semester 1	
Language Requirements • TOEFL 60 • IELTS 5.5 • PTEA 44 • Password Level 6 • Completion of Academic English Level 4 • IELA 162 • or Duolingo 90.	Course Title	
	Credit Hours	
	EAP 1850 English for International Students I* 6	* These courses are generally delivered through the INTO Centre and are for Pathway students only.
	SLS 2901 Academic Foundations 3	
	HUM 1020 Introduction to Humanities 3	
	MAC 2241 Life Science Calculus I 3	
	Total 15	
	Semester 2	
	Course Title	
	Credit Hours	
	EAP 1851 English for International Students II* 6	
	AMH 2020 American History II 3	
	CHM 2045 General Chemistry I 3	
	CHM 2045L General Chemistry I Lab 1	
	MAC 2242 Life Science Calculus II 4	
	Total 17	

International Year One in Visual and Performing Arts

Program Length Accelerated - 1 Semester	Degree Program Components			Program Information
18 August 2020 05 January 2021 11 May 2021	120 credit hour program 15 credit hours apply from Pathway 105 credit hours remaining toward degree			
Entry Requirements	Semester 1	Course Title	Credit Hours	Progression Requirements
• High school diploma equivalency; 2.5 out of 4.0 GPA.	SLS 2901	Academic Foundations	3	• 2.5 GPA • No "U" grade in a class • No "W" or "I" grade in a class • Grade of "C" or better in all classes • SAT or ACT on record but no minimum scores required.
Language Requirements	HUM 1020	Introduction to Humanities	3	
• TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176.	ENC 1101	Composition I	3	
	EVR 2001	Environmental Science (or Physical Science)	3	
		Major-Specific Elective	3	
			Total	15

Notes

Because of the intense nature of Summer classes, students enroll in fewer credit hours for the Summer semester. Students can choose from the list of electives: ARC 2211 Introduction to Architecture; ARH 2050 History of Visual Arts I; DAN 2100 Introduction to Dance (audition required); FIL 1002 Introduction to Film Studies; THE 2020 Introduction to Theatre; THE 2252 Great Performances on Film. Except for those with an audition, sample courses have no prerequisites, major restrictions, upper-level standing or permit requirement; However, enrollment may be limited, and courses may not be offered every semester.. Math placement determined by placement test during orientation. SLS 2901: Offered for students beginning in Fall or Spring. EVR 2001: Not offered in Summer.

* These courses are generally delivered through the INTO Centre and are for Pathway students only.

Program Length Standard - 2 Semesters	Degree Program Components		
18 August 2020 05 January 2021 11 May 2021	120 credit hour program 30 credit hours apply from Pathway 90 credit hours remaining toward degree		
Entry Requirements	Semester 1	Course Title	Credit Hours
• High school diploma equivalency; 2.5 out of 4.0 GPA.	EAP 1850	English for International Students I*	6
Language Requirements	SLS 2901	Academic Foundations	3
• TOEFL 60 • IELTS 5.5 • PTEA 44 • Password Level 6 • Completion of Academic English • Level 4 • IELA 162 or Duolingo 90.	HUM 1020	Introduction to Humanities	3
	MAC 1105	College Algebra	3
			Total
			15
	Semester 2	Course Title	Credit Hours
	EAP 1851	English for International Students II*	6
	AMH 2020	American History II	3
	EVR 2001	Environmental Science (or Physical Science)	3
		Major-Specific Elective	3
			Total
			15

Graduate Pathway in Architecture

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components	Program Information																																				
<p>Entry Requirements</p> <ul style="list-style-type: none"> • 4-year undergraduate degree in Architecture (pre-professional) • Equivalent of a 2.5 GPA out of 4.0 • Portfolio of creative work • Students entering the program must have passing grades in the following courses: Calculus, Physics, Computer-Aided Drafting (CAD, Revit, Rhino, etc.). <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<p>108 credit hour program** 9 credit hours apply from Pathway 99 credit hours remaining toward degree</p> <table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>ARC 6398</td> <td>Intro to Community Urban Design</td> <td>3</td> </tr> <tr> <td>ARC 5256</td> <td>Design Theory</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	ARC 6398	Intro to Community Urban Design	3	ARC 5256	Design Theory	3		Graduate Level Elective Course	3	Total		9	<p>Progression Requirements</p> <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • GRE on file • Statement of Purpose. <p>Notes</p> <p>In addition to meeting all entry requirements, the student's portfolio will be reviewed by School of Architecture faculty to determine eligibility. ** Depending on student's academic background, the program could take anywhere from 54 to 108 credit hours. This will be decided at point of admission. PORTFOLIO: Students are required to submit a portfolio for admission to the program. You can find more information at http://architecture.arts.usf.edu/content/templates/?z=352&a=5177</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p>																		
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Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components	Program Information																																				
<p>Entry Requirements</p> <ul style="list-style-type: none"> • 4-year undergraduate degree in Architecture (pre-professional) • Equivalent of a 2.5 GPA out of 4.0 • Portfolio of creative work • Students entering the program must have passing grades in the following courses: Calculus, Physics, Computer-Aided Drafting (CAD, Revit, Rhino, etc.). <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	<p>108 credit hour program 12 credit hours apply from Pathway 96 credit hours remaining toward degree</p> <table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>ARC 6398</td> <td>Intro to Community Urban Design</td> <td>3</td> </tr> <tr> <td>ARC 5470</td> <td>Intro to Technology</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6		Study Skills and GRE Test Preparation *	0	ARC 6398	Intro to Community Urban Design	3	ARC 5470	Intro to Technology	3	Total		12	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Study Skills and GRE Test Preparation *	0		Graduate Level Elective Course	3		Graduate Level Elective Course	3	Total		12	<p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p>
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Graduate Pathway in Biology

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components 30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree	Program Information
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Entry Requirements • 4-year undergraduate degree in Natural Sciences (Chemistry, Biology, Medicine) • Equivalent of a 2.5 GPA out of 4.0. Language Requirements • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores).	Semester 1	Course Title	Credit Hours	Progression Requirements • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • GRE score 148Q, 153v, 4.5AW Statement of Purpose.
		Study Skills and GRE Test Preparation *	0	
	BSC 6932	Metabolic Processes (Cell Metabolism)	3	
	BSC 6932	Intro to Cell Biology	3	
	BSC 6932	Intro to Genetics	3	
			Total	9

Notes

__ Concentrations: __ Cell Biology, Microbiology and Molecular Biology

* These courses are generally delivered through the INTO Centre and are for Pathway students only.

For accelerated notes please visit partnerportal.intoglobal.com

Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components 30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree
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Entry Requirements • 4-year undergraduate degree in Natural Sciences (Chemistry, Biology, Medicine) • Equivalent of a 2.5 GPA out of 4.0. Language Requirements • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95.	Semester 1	Course Title	Credit Hours	
	EAP 1850	English for International Students I*	6	
		Study Skills and GRE Test Preparation *	0	
	BSC 6932	Cellular Processes (Bio I)	3	
	BSC 6932	Metabolic Processes (Cell Metabolism)	3	
				Total
				12
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
		Study Skills and GRE Test Preparation *	0	
	BSC 6932	Intro to Cell Biology	3	
	BSC 6932	Intro to Genetics	3	
				Total
			12	

Graduate Pathway in Biomedical Engineering

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components	Program Information																																				
Entry Requirements • 4-year undergraduate degree in Engineering • Equivalent of a 2.5 GPA out of 4.0. Language Requirements • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores).	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree																																					
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Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components 30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree	Concentration: Pharmacy __List A - Biomedical Engineering Masters Electives: __ BME 6055 Modern Biomedical Technologies, BME 6107 Biomaterials I, BME 6235 Tissue Biomechanics, BME 6634 Biotransport Phenomena, EEE 6514 Biomedical Image Processing, BME 6573 Nanomedicine, BCH 6888 Bioinformatics, BME 6931 Cell and Tissue Engineering, or BME 6931 Biomedical Optical Spectroscopy __List B - Masters Required Courses: __ BME 6000 Biomedical Engineering, BME 6931 Biomedical Engineering 2, GMS 6605 Basic Medical Anatomy, PHC 6051 Biostatistics II, GMS 6440 Basic Medical Physiology, or BME 6410 Engineering Physiology Other BME graduate level electives are possible (List A) with permission from BME Graduate Coordinator. * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com																																				
Entry Requirements • 4-year undergraduate degree in Engineering • Equivalent of a 2.5 GPA out of 4.0. Language Requirements • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95.	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td></td> <td>Graduate Level Core Course from Lists A or B</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Core Course from Lists A or B</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td></td> <td>Graduate Level Core Course from Lists A or B</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Core Course from Lists A or B</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6		Study Skills and GRE Test Preparation *	0		Graduate Level Core Course from Lists A or B	3		Graduate Level Core Course from Lists A or B	3	Total		12	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Study Skills and GRE Test Preparation *	0		Graduate Level Core Course from Lists A or B	3		Graduate Level Core Course from Lists A or B	3	Total		12	
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Total		12																																				

Graduate Pathway in Business Administration (MBA)

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information	
	49 credit hour program 10 credit hours apply from Pathway 39 credit hours remaining toward degree				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0 • 2 years of full-time professional work experience with professional resumé with timeline and job description. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 2 letters of recommendation from employers that verify time, job title, job description, and number of hours worked per week (full-time vs part-time) • Résumé or CV, Statement of Purpose • GMAT: 530+, 20 verbal or GRE equivalent to GMAT. 	
			Study Skills and GMAT Test Preparation *		0
		GEB 6930	Business Communications*		1
		ECO 6005	Introduction to Economic Concepts (12 weeks)		3
		ACG 6026	Accounting Concepts for Managers (12 weeks)		3
		ISM 6021	Management Information Systems (8 weeks)		2
		QMB 6305	Managerial Decision Analysis (8 weeks)		2
	Total		11	Notes	
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			Work experience does not need to be business-based; can include teaching, military or government experience. Program requires equivalent of 2 years full-time professional working experience. Part-time employment considered a fraction of full-time employment, so if the working time is 20 hours per week, it counts as 50% of full-time, if the work time is 10 hours per week, it counts as 25% of full-time. Internships can be considered part of working experience. If full-time, it substitutes max of 1 year; if part-time, the timeline has to be 2 years' worth of internship to equal 1 year of professional experience. However, it is not acceptable if an internship is the only working experience. Students in Pathway program are not ineligible to enter Sport Business concentration. * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com	
	49 credit hour program 12 credit hours apply from Pathway 37 credit hours remaining toward degree				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0 • 2 years of full-time professional work experience with professional resumé with timeline and job description. Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	Semester 1	Course Title	Credit Hours		
		EAP 1850	English for International Students I*		6
			Study Skills and GMAT Test Preparation *		0
		GEB 6930	Business Communications*		1
		ECO 6005	Introduction to Economic Concepts (12 weeks)		3
		ACG 6026	Accounting Concepts for Managers (12 weeks)		3
		Total			13
	Semester 2	Course Title	Credit Hours		
	EAP 1851	English for International Students II*	6		
		Study Skills and GMAT Test Preparation *	0		
	ISM 6021	Management Information Systems (8 weeks)	2		
	QMB 6305	Managerial Decision Analysis (8 weeks)	2		
	FIN 6406	Financial Management (8 weeks)	2		
	Total		12		

Graduate Pathway in Business Analytics and Information Systems

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information	
	43 credit hour program 10 credit hours apply from Pathway 33 credit hours remaining toward degree				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.75 GPA out of 4.0 • 2 years of full-time technology-related professional work experience • Résumé. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 305+ GRE with a 146+ verbal OR 550+ GMAT with 24+ verbal • Résumé or CV • Statement of Purpose. Notes <p>___Concentration___ Cybersecurity, Healthcare Business All program prerequisites must be met before entering, or once in the MS BAIS program. Prerequisite waivers may be requested based on undergraduate studies or work experience. The MS BAIS department looks for two years of technical work experience. These courses are delivered by the Muma College of Business and are for Pathway students only.</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p> <p>For accelerated notes please visit partnerportal.intoglobal.com</p>	
			Study Skills and GRE/GMAT Test Preparation *		0
		GEB 6930	Business Communications*		1
		ECO 6005	Introduction to Economic Concepts (12 weeks)		3
		ACG 6026	Accounting Concepts for Managers (12 weeks)		3
		ISM 6021	Management Information Systems (8 weeks)		2
		QMB 6305	Managerial Decision Analysis (8 weeks)		2
	Total			11	
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components				
	45 credit hour program 12 credit hours apply from Pathway 33 credit hours remaining toward degree				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.75 GPA out of 4.0 • 2 years of full-time technology-related professional work experience • Résumé. Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	Semester 1	Course Title	Credit Hours		
		EAP 1850	English for International Students I*	6	
			Study Skills and GRE/GMAT Test Preparation *	0	
		GEB 6930	Business Communications*	1	
		ECO 6005	Introduction to Economic Concepts (12 weeks)	3	
		ACG 6026	Accounting Concepts for Managers (12 weeks)	3	
		Total			13
		Semester 2	Course Title	Credit Hours	
		EAP 1851	English for International Students II*	6	
			Study Skills and GRE/GMAT Test Preparation *	0	
		ISM 6021	Management Information Systems (8 weeks)	2	
		QMB 6305	Managerial Decision Analysis (8 weeks)	2	
		FIN 6406	Financial Management (8 weeks)	2	
	Total			12	

Graduate Pathway in Chemical Engineering

Program Length Accelerated - 1 Semester 18 August 2020	Degree Program Components	Program Information																																				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Chemical Engineering or similar field • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree																																					
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Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components	Program Information																																				
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Total		12																																				

Graduate Pathway in Civil or Environmental Engineering

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Civil Engineering • Equivalent of a 2.5 GPA out of 4.0 • For more details please visit partnerportal.intoglobal.com Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree			Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 2 letters of recommendation • Résumé or CV • Statement of Purpose. Notes Additional Entry Requirements: __Environmental or Water Resources Engineering: __ Completed one semester of college level chemistry, introduction to environmental engineering, water and wastewater treatment, fluid mechanics and hydraulic systems. __Geotechnical Engineering: __ Completed one semester of college level mechanics (statistics and dynamics), mechanics of materials, fluid mechanics, structural engineering and geotechnical engineering. __Materials Engineering: __ Completed college level Chemistry, Statics, Mechanics of Materials, Materials Engineering I. __Structural Engineering: __ Completed Concepts of Concrete Design and its pre-requisites (Statistics, Dynamics, Mechanics of Materials, Structures I); concepts of Steel Design and Soil Mechanics would also be useful. __Transportation Engineering: __ Completed one semester of college level transportation engineering, statistics and computer numerical methods. All tracks: Minimum B grade for prerequisite courses.
	Semester 1	Course Title	Credit Hours	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
	Graduate Level Course in Concentration	3		
	Total		9	
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021 Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Environmental Engineering • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree			Completed one semester of college level mechanics (statistics and dynamics), mechanics of materials, fluid mechanics, structural engineering and geotechnical engineering.
	Semester 1	Course Title	Credit Hours	
	EAP 1850	English for International Students I*	6	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
	Total		12	
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
Total		12		

* These courses are generally delivered through the INTO Centre and are for Pathway students only.

For accelerated notes please visit partnerportal.intoglobal.com

Graduate Pathway in Computer Science or Computer Engineering

Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components	Program Information																																				
	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree																																					
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Computer Science, Computer Engineering, Electrical Engineering or Mathematics • Equivalent of a 2.5 GPA out of 4.0 • For more details please visit partnerportal.intoglobal.com <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>EEL 6764</td> <td>Principles of Computer Architecture</td> <td>3</td> </tr> <tr> <td>COT 6405</td> <td>Theory of Algorithms</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>COP 6611</td> <td>Operating Systems</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Course in CSE</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6		Study Skills and GRE Test Preparation *	0	EEL 6764	Principles of Computer Architecture	3	COT 6405	Theory of Algorithms	3	Total		12	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Study Skills and GRE Test Preparation *	0	COP 6611	Operating Systems	3		Graduate Level Course in CSE	3	Total		12	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • GRE score: 161Q, 150V <p>Statement of Purpose.</p> <p>Additional Entry Requirements:</p> <ul style="list-style-type: none"> • Formal courses in Computer Architecture, Operating Systems and Theory of Algorithms with grades B or better • Programming proficiency in at least one high level programming language such as C, Java and/or C++ with formal courses and grades B or better
	Semester 1	Course Title	Credit Hours																																			
EAP 1850	English for International Students I*	6																																				
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Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Computer Science, Computer Engineering, Electrical Engineering or Mathematics • Equivalent of a 2.5 GPA out of 4.0. <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>EEL 6764</td> <td>Principles of Computer Architecture</td> <td>3</td> </tr> <tr> <td>COT 6405</td> <td>Theory of Algorithms</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Course in CSE</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	EEL 6764	Principles of Computer Architecture	3	COT 6405	Theory of Algorithms	3		Graduate Level Course in CSE	3	Total		9	<p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p> <p>For accelerated notes please visit partnerportal.intoglobal.com</p>																		
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Graduate Pathway in Economics

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components	Program Information																		
	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree																			
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0 • Completion of prerequisite courses, which must have a final grade of B or better: One semester of Calculus and Statistics, Secondary-level (intermediate level) courses in Microeconomics and Macroeconomics. <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>ECO 6424</td> <td>Econometrics I</td> <td>3</td> </tr> <tr> <td>ECO 6405</td> <td>Mathematical Economics I</td> <td>3</td> </tr> <tr> <td>ECO 6120</td> <td>Economic Policy Analysis</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	ECO 6424	Econometrics I	3	ECO 6405	Mathematical Economics I	3	ECO 6120	Economic Policy Analysis	3	Total		9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • GRE score: 154Q, 144V. <p>Notes</p> <p>Courses are not offered every semester and courses indicated are for Fall admission. The course sequence would be different for Spring admission.</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p> <p>For accelerated notes please visit partnerportal.intoglobal.com</p>
	Semester 1	Course Title	Credit Hours																	
	Study Skills and GRE Test Preparation *	0																		
ECO 6424	Econometrics I	3																		
ECO 6405	Mathematical Economics I	3																		
ECO 6120	Economic Policy Analysis	3																		
Total		9																		

Graduate Pathway in Economics

Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			Program Information	
	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0 • Completion of prerequisite courses, which must have a final grade of B or better: One semester of Calculus and Statistics, Secondary-level (intermediate level) courses in Microeconomics and Macroeconomics. <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • GRE score: 154Q, 144V. <p>Notes</p> <p>Courses are not offered every semester and courses indicated are for Fall admission. The course sequence would be different for Spring admission.</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com</p>	
	EAP 1850	English for International Students I*	6		
		Study Skills and GRE Test Preparation *	0		
	ECO 6405	Mathematical Economics I	3		
	ECO 6424	Econometrics I	3		
	Total				12
	Semester 2	Course Title	Credit Hours		
	EAP 1851	English for International Students II*	6		
		Study Skills and GRE Test Preparation *	0		
	ECO 6115	Microeconomics I	3		
ECO 6206	Macroeconomics I	3			
Total			12		

Graduate Pathway in Electrical Engineering

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information
	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree			
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Engineering with expected emphasis in electrical and computer discipline topics • Equivalent of a 2.5 GPA out of 4.0. <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • Résumé or CV • Statement of Purpose. <p>Notes</p> <p>For introductory course listing visit: www.usf.edu/engineering/ee/graduate/masters.aspx</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p> <p>For accelerated notes please visit partnerportal.intoglobal.com</p>
		USF Graduate Level Core Course in EE	3	
		USF Graduate Level Core Course in EE	3	
		USF Graduate Level Core Course in EE	3	
	Total			
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree			
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Engineering with expected emphasis in electrical and computer discipline topics • Equivalent of a 2.5 GPA out of 4.0. <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	Semester 1	Course Title	Credit Hours	
	EAP 1850	English for International Students I*	6	
		USF Graduate Level Core Course in EE	3	
		USF Graduate Level Core Course in EE	3	
	Total			12
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
		USF Graduate Level Core Course in EE	3	
		USF Graduate Level Core Course in EE	3	
	Total			12

Graduate Pathway in Engineering Management

Program Length	Degree Program Components	Program Information																														
Accelerated - 1 Semester 18 August 2020 05 January 2021	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree																															
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Engineering • Equivalent of a 2.5 GPA out of 4.0 • 2 years of work experience in Engineering or Management • Letter of recommendation and résumé. Language Requirements <ul style="list-style-type: none"> • TOEFL 79; IELTS 6.5; PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EIN 5182</td> <td>Principles of Engineering Management</td> <td>3</td> </tr> <tr> <td>ESI 6247 or ESI 5306</td> <td>Statistical Design Models (Fall) or Operations Research for Eng. Managers</td> <td>3</td> </tr> <tr> <td>EIN 6386 or EIN 5350</td> <td>Management of Technological Change or Technology and Finance</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EIN 5182	Principles of Engineering Management	3	ESI 6247 or ESI 5306	Statistical Design Models (Fall) or Operations Research for Eng. Managers	3	EIN 6386 or EIN 5350	Management of Technological Change or Technology and Finance	3	Total		9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades. • No GRE required <p>Notes</p> <p>Spring classes may be different based on course offerings each semester. Work experience can consist of either engineering or management focused positions. If full-time work experience is not available, one or two semesters of an internship may be substituted in its place. ESI 5306: EGN 3443 Probability and Statistics for Engineers or equivalent course is a prerequisite for ESI 6247 Statistical Design Models and ESI 5306 Operations Research for Engineering Managers.</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p> <p>For accelerated notes please visit partnerportal.intoglobal.com</p>															
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Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree																															
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Engineering • Equivalent of a 2.5 GPA out of 4.0 • 2 years of work experience in Engineering or Management • Letter of recommendation and résumé. Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td>6</td> </tr> <tr> <td>EIN 5182</td> <td>Principles of Engineering Management</td> <td>3</td> </tr> <tr> <td>ESI 6247</td> <td>Statistical Design Models (Core)</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td>ESI 5306</td> <td>Operations Research for Engineering Managers</td> <td>3</td> </tr> <tr> <td>EIN 5350</td> <td>Technology and Finance</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6	EIN 5182	Principles of Engineering Management	3	ESI 6247	Statistical Design Models (Core)	3	Total		12	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6	ESI 5306	Operations Research for Engineering Managers	3	EIN 5350	Technology and Finance	3	Total		12	<p>Notes</p> <p>Spring classes may be different based on course offerings each semester. Work experience can consist of either engineering or management focused positions. If full-time work experience is not available, one or two semesters of an internship may be substituted in its place. ESI 5306: EGN 3443 Probability and Statistics for Engineers or equivalent course is a prerequisite for ESI 6247 Statistical Design Models and ESI 5306 Operations Research for Engineering Managers.</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p> <p>For accelerated notes please visit partnerportal.intoglobal.com</p>
Semester 1	Course Title	Credit Hours																														
EAP 1850	English for International Students I*	6																														
EIN 5182	Principles of Engineering Management	3																														
ESI 6247	Statistical Design Models (Core)	3																														
Total		12																														
Semester 2	Course Title	Credit Hours																														
EAP 1851	English for International Students II*	6																														
ESI 5306	Operations Research for Engineering Managers	3																														
EIN 5350	Technology and Finance	3																														
Total		12																														

Graduate Pathway in Entrepreneurship in Applied Technologies

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information
	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree			
Entry Requirements	Semester 1	Course Title	Credit Hours	Progression Requirements
<ul style="list-style-type: none"> 4-year undergraduate degree Equivalent of a 2.5 GPA out of 4.0. 		Study Skills and GMAT Test Preparation *	0	<ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades 500+ GMAT, 20 Verbal Résumé or CV Statement of Purpose.
Language Requirements	GEB 6930	Business Communications*	1	
<ul style="list-style-type: none"> TOEFL 79 IELTS 6.5 PTEA 53 or IELA 176 (169 in all subscores). 	ENT 6425	Venture Capital and Private Equity	3	
	ENT 6016	New Venture Formation	3	
	ENT 6186	Strategic Marketing Assessment	3	
	Total 10			
				* These courses are generally delivered through the INTO Centre and are for Pathway students only.
				For accelerated notes please visit partnerportal.intoglobal.com
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			
	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree			
Entry Requirements	Semester 1	Course Title	Credit Hours	
<ul style="list-style-type: none"> 4-year undergraduate degree Equivalent of a 2.5 GPA out of 4.0. 	EAP 1850	English for International Students I*	6	
Language Requirements		Study Skills and GMAT Test Preparation *	0	
<ul style="list-style-type: none"> TOEFL 65 IELTS 5.5 (5.0 in all subscores) PTEA 44 Completion of Academic English Level 5 Password Test Level 6 IELA 169 (162 in all subscores) or Duolingo 95. 	GEB 6930	Business Communications*	1	
	ENT 6425	Venture Capital and Private Equity	3	
	ENT 6016	New Venture Formation	3	
	Total 13			
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
		Study Skills and GMAT Test Preparation *	0	
	ENT 6186	Strategic Marketing Assessment	3	
	ENT 6116	Business Plan Development	3	
	Total 12			

Graduate Pathway in Environmental Science and Policy

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components	Program Information																																				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Geography, Engineering, Environmental Science, Public Health, Social Sciences, or Earth Science • Equivalent of a 2.5 GPA out of 4.0 Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	36 credit hour program 9 credit hours apply from Pathway 27 credit hours remaining toward degree																																					
	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>GEO 6116</td> <td>Perspectives in Environmental Thought</td> <td>3</td> </tr> <tr> <td>EVR 6320</td> <td>Environmental Management</td> <td>3</td> </tr> <tr> <td>EVR 6937</td> <td>Seminar in Environmental Policy</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	GEO 6116	Perspectives in Environmental Thought	3	EVR 6320	Environmental Management	3	EVR 6937	Seminar in Environmental Policy	3	Total		9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • GRE on File • Letter of Intent • Resume' • Writing Sample • Résumé or CV • Statement of Purpose. 																		
Semester 1	Course Title	Credit Hours																																				
	Study Skills and GRE Test Preparation *	0																																				
GEO 6116	Perspectives in Environmental Thought	3																																				
EVR 6320	Environmental Management	3																																				
EVR 6937	Seminar in Environmental Policy	3																																				
Total		9																																				
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components 36 credit hour program 12 credit hours apply from Pathway 24 credit hours remaining toward degree	Notes																																				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Geography, Engineering, Environmental Science, Public Health, Social Sciences, or Earth Science • Equivalent of a 2.5 GPA out of 4.0 Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>GEO 6116</td> <td>Perspectives in Environmental Thought</td> <td>3</td> </tr> <tr> <td>EVR 6320</td> <td>Environmental Management</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>GEO 6970</td> <td>Geographic Research Design</td> <td>3</td> </tr> <tr> <td>EVR 6216</td> <td>Water Qual Policy/Management</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6		Study Skills and GRE Test Preparation *	0	GEO 6116	Perspectives in Environmental Thought	3	EVR 6320	Environmental Management	3	Total		12	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Study Skills and GRE Test Preparation *	0	GEO 6970	Geographic Research Design	3	EVR 6216	Water Qual Policy/Management	3	Total		12	Focus Areas: Urban Environment, Karst Science and Climate Change, Hazards and Health, Biogeography and Landscape Ecology, Water Resources and Policy. Tracks: Non-thesis (default), Thesis (with approval by major professor)
Semester 1	Course Title	Credit Hours																																				
EAP 1850	English for International Students I*	6																																				
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	Study Skills and GRE Test Preparation *	0																																				
GEO 6970	Geographic Research Design	3																																				
EVR 6216	Water Qual Policy/Management	3																																				
Total		12																																				
<ul style="list-style-type: none"> • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 		* These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com																																				

Graduate Pathway in Exercise Science

Program Length Accelerated - 1 Semester 18 August 2020	Degree Program Components			Program Information
	33 credit hour program 9 credit hours apply from Pathway 24 credit hours remaining toward deg			
Entry Requirements • 4-year undergraduate degree in Exercise Science or related field • Equivalent of a 2.5 GPA out of 4.0.	Semester 1	Course Title	Credit Hours	Progression Requirements • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 2 letters of recommendation • Statement of Purpose.
Language Requirements • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores).	PET 6534	Research Methods in Exercise Science	3	Notes Concentrations: Health and Wellness, Strength and Conditioning. The Master of Science in Exercise Science is a two-year program and cannot be completed in less than two years. PET 6534: Course offered every fall semester. Students will be advised which course to take as a replacement, if needed. * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com
	APK 6109	Cardiorespiratory Aspects of Exercise Physiology	3	
		Graduate Level Core Course in Specialization	3	
	Total		9	
Program Length Standard - 2 Semesters 18 August 2020	Degree Program Components			
	33 credit hour program 12 credit hours apply from Pathway 21 credit hours remaining toward degree			
Entry Requirements • 4-year undergraduate degree in Exercise Science or related field • Equivalent of a 2.5 GPA out of 4.0.	Semester 1	Course Title	Credit Hours	
Language Requirements • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95.	EAP 1850	English for International Students I*	6	
	PET 6534	Research Methods in Exercise Science	3	
	APK 6109	Cardiorespiratory Aspects of Exercise Physiology	3	
	Total		12	
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
		Graduate Level Core Course in Specialization	3	
		Graduate Level Core Course in Specialization	3	
	Total		12	

Graduate Pathway in Finance

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information
	40 credit hour program 10 credit hours apply from Pathway 30 credit hours remaining toward degree			
Entry Requirements • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0.	Semester 1	Course Title	Credit Hours	Progression Requirements • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • GMAT: 550 or GRE equivalent to GMAT • Résumé or CV • 250-word Statement of Interest.
Language Requirements • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores).	GEB 6930	Business Communications*	1	* These courses are generally delivered through the INTO Centre and are for Pathway students only.
	ECO 6005	Introduction to Economic Concepts (12 weeks)	3	
	ACG 6026	Accounting Concepts for Managers (12 weeks)	3	
	FIN 6406	Financial Management (8 weeks)	2	
	QMB 6305	Managerial Decision Analysis (8 weeks)	2	
	Total			
				For accelerated notes please visit partnerportal.intoglobal.com
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			
	42 credit hour program 12 credit hours apply from Pathway 30 credit hours remaining toward degree			
Entry Requirements • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0.	Semester 1	Course Title	Credit Hours	
Language Requirements • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95.	EAP 1850	English for International Students I*	6	
		Study Skills and GMAT Test Preparation *	0	
	GEB 6930	Business Communications*	1	
	ECO 6005	Introduction to Economic Concepts (12 weeks)	3	
	ACG 6026	Accounting Concepts for Managers (12 weeks)	3	
	Total			13
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
		Study Skills and GMAT Test Preparation *	0	
	ISM 6021	Management Information Systems (8 weeks)	2	
	QMB 6305	Managerial Decision Analysis (8 weeks)	2	
	FIN 6406	Financial Management (8 weeks)	2	
	Total			12

Graduate Pathway in Geography

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components	Program Information																		
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Geography, Engineering, Environmental Science, Public Health, Social Sciences, or Earth Science • Equivalent of a 2.5 GPA out of 4.0 	36 credit hour program 9 credit hours apply from Pathway 17 credit hours remaining toward degree																			
Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>GEO 6116</td> <td>Perspectives in Environmental Thought</td> <td>3</td> </tr> <tr> <td>GIS 6100 GEO 6347</td> <td>Environmental Management or Natural Hazards</td> <td>3</td> </tr> <tr> <td>GEO XXXX GIS XXXX</td> <td>GEO Elective or GIS Elective</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	GEO 6116	Perspectives in Environmental Thought	3	GIS 6100 GEO 6347	Environmental Management or Natural Hazards	3	GEO XXXX GIS XXXX	GEO Elective or GIS Elective	3	Total		9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • Résumé or CV • Letter of Intent & Writing Sample • GRE on file. <p>Notes</p>
Semester 1	Course Title	Credit Hours																		
	Study Skills and GRE Test Preparation *	0																		
GEO 6116	Perspectives in Environmental Thought	3																		
GIS 6100 GEO 6347	Environmental Management or Natural Hazards	3																		
GEO XXXX GIS XXXX	GEO Elective or GIS Elective	3																		
Total		9																		
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	36 credit hour program 12 credit hours apply from Pathway 22 credit hours remaining toward degree	Concentration Areas: Environmental Geographic Information Science and Spatial Relations Human and Physical Geography Tracks: Non-thesis (default), Thesis (with approval by major professor) GIS 6100: Geographic Information Science Concentration only. GEO 6347: Human and Physical Geography concentration only. GIS XXXX: Geographic Information Science concentration only. GEO 6286: Human and Physical Geography concentration only.																		
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Geography, Engineering, Environmental Science, Public Health, Social Sciences, or Earth Science • Equivalent of a 2.5 GPA out of 4.0 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>GEO 6116</td> <td>Perspectives in Environmental Thought</td> <td>3</td> </tr> <tr> <td>GIS 6100 GEO 6347</td> <td>Geographic Information Systems or Natural Hazards</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6		Study Skills and GRE Test Preparation *	0	GEO 6116	Perspectives in Environmental Thought	3	GIS 6100 GEO 6347	Geographic Information Systems or Natural Hazards	3	Total		12	* These courses are generally delivered through the INTO Centre and are for Pathway students only.
Semester 1	Course Title	Credit Hours																		
EAP 1850	English for International Students I*	6																		
	Study Skills and GRE Test Preparation *	0																		
GEO 6116	Perspectives in Environmental Thought	3																		
GIS 6100 GEO 6347	Geographic Information Systems or Natural Hazards	3																		
Total		12																		
Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	<table border="1"> <thead> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>GEO 6970</td> <td>Geographic Research Design</td> <td>3</td> </tr> <tr> <td>GIS XXXX GEO 6286</td> <td>Elective or Advances in Water Resources</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Study Skills and GRE Test Preparation *	0	GEO 6970	Geographic Research Design	3	GIS XXXX GEO 6286	Elective or Advances in Water Resources	3	Total		12	For accelerated notes please visit partnerportal.intoglobal.com
Semester 2	Course Title	Credit Hours																		
EAP 1851	English for International Students II*	6																		
	Study Skills and GRE Test Preparation *	0																		
GEO 6970	Geographic Research Design	3																		
GIS XXXX GEO 6286	Elective or Advances in Water Resources	3																		
Total		12																		

Graduate Pathway in Global Sustainability

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components	Program Information															
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0. 	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree																
Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>IDS 6233</td> <td>Concepts and Principles of Sustainability (Required)</td> <td>3</td> </tr> <tr> <td>IDS 6234 or IDS 6235</td> <td>Systems Thinking: The Key to Sustainability or Economics and Finance for Sustainability</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Concentration Course</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	IDS 6233	Concepts and Principles of Sustainability (Required)	3	IDS 6234 or IDS 6235	Systems Thinking: The Key to Sustainability or Economics and Finance for Sustainability	3		Graduate Level Concentration Course	3	Total		9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 2 letters of recommendation, at least 1 academic • 250-500 word essay on academic and professional background.
Semester 1	Course Title	Credit Hours															
IDS 6233	Concepts and Principles of Sustainability (Required)	3															
IDS 6234 or IDS 6235	Systems Thinking: The Key to Sustainability or Economics and Finance for Sustainability	3															
	Graduate Level Concentration Course	3															
Total		9															

Graduate Pathway in Global Sustainability

Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			Notes		
	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree			Concentrations: Climate Change and Sustainability Entrepreneurship, Food Sustainability and Security Sustainable Business, Sustainable Energy, Sustainability Policy, Sustainable Tourism, Sustainable Transportation, or Water Sustainability		
Entry Requirements • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0.	Semester 1	Course Title	Credit Hours	* These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com		
Language Requirements • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95.	EAP 1850	English for International Students I*	6			
	IDS 6233	Concepts and Principles of Sustainability (Required)	3			
	IDS 6234 or IDS 6235	Systems Thinking: The Key to Sustainability or Economics and Finance for Sustainability	3			
			Total 12			
			Semester 2			
			Credit Hours			
			EAP 1851		English for International Students II*	6
			IDS 6234 or IDS 6235		Systems Thinking: The Key to Sustainability or Economics and Finance for Sustainability	3
			IDS 6938		Climate Change Adaptation and Mitigation (if not available, Graduate Level Concentration)	3
			Total	12		

Graduate Pathway in Industrial Engineering

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information		
	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree					
Entry Requirements • 4-year undergraduate degree in Engineering • Equivalent of a 2.5 GPA out of 4.0.	Semester 1	Course Title	Credit Hours	Progression Requirements • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • No GRE required.		
Language Requirements • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores).	ESI 6410	Optimization in Operations Research (Core)	3	Notes Core courses, as shown in Pathway, are mandatory. Fall admission will follow the sequence stated here. Spring admission for 2-Semester Pathway students will follow reverse order for course assignments. ESI 6247: Offered in the Fall semester only. ESI 6934: Offered in the Fall semester only. ESI 6340: Offered in the Spring semester only. ESI 6410: Offered in the Spring semester only. * These courses are generally delivered through the INTO Centre and are for Pathway students only.		
	ESI 6247	Statistical Design Models (Core)	3			
					Graduate Level Elective Course	3
			Total		9	
			Semester 2			
			Credit Hours			
			EAP 1850		English for International Students I*	6
					Study Skills and GRE Test Preparation *	0
			ESI 6247		Statistical Design Models (Core)	3
			ESI 6934		Engineering Analytics	3
			Total	12		
			Semester 2			
			Credit Hours			
			EAP 1851	English for International Students II*	6	
			ESI 6340	Probabilistic Systems Analysis (Core)	3	
			ESI 6410	Optimization in Operations Research (Core)	3	
			Total	12		

Graduate Pathway in Information Technology

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information
	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining towards degree			
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Computer Science, Computer Engineering, Information Technology, Management Information Systems, Computer Information Systems or closely related field • Equivalent of a 2.5 GPA out of 4.0 • For more details please visit partnerportal.intoglobal.com <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • GRE: 161Q, 150V Statement of Purpose. <p>Notes</p> <p>Students are expected to have taken formal courses in Programming Concepts, Object-Oriented Programming, Program Design, Data Structures and Algorithms, Software Engineering, and Database Systems with a B minimum.</p> <p>Graduate Level Core Courses:</p> <p>CIS 6930 Penetration Testing for IT; ISM 6218 Advanced Database Administration; CEN 6084 Advances in Object Oriented Programming</p> <p>Graduate Level Elective Courses:</p> <p>CTS 6716 Network Programming; CIS 6930 Cloud Computing; CIS 6930 Practical Cybersecurity; CIS 6930 Hadoop and Big Data; ISM 6136 Data Mining</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p> <p>For accelerated notes please visit partnerportal.intoglobal.com</p>
		Study Skills and GRE Test Preparation *	0	
		Graduate Level Core Course	3	
		Graduate Level Core Course	3	
		Graduate Level Elective Course	3	
	Total		9	
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			
	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining towards degree			
	Semester 1	Course Title	Credit Hours	
	EAP 1850	English for International Students I*	6	
		Study Skills and GRE Test Preparation *	0	
		Graduate Level Core Course	3	
		Graduate Level Core Course	3	
	Total		12	
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
	Study Skills and GRE Test Preparation *	0		
	Graduate Level Elective Course	3		
	Graduate Level Elective Course	3		
Total		12		

Graduate Pathway in Learning Design and Technology

Program Length	Degree Program Components			Program Information
Accelerated - 1 Semester 18 August 2020 05 January 2021	33 credit hour program 9 credit hours apply from Pathway 24 credit hours remaining toward degree			
Entry Requirements • 4-year undergraduate degree in Education • Equivalent of a 2.5 GPA out of 4.0. Language Requirements • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores).	Semester 1	Course Title	Credit Hours	Progression Requirements • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 2 letters of recommendation • Résumé or CV • Statement of Purpose • GRE on file. Notes Core courses in this major are: EDF 6432 Foundations of Measurement; EDF 6481 Foundations of Educational Research; EDG 6627 Foundations of Curriculum & Instruction; EDF 6215 Learning Principles Applied to Instruction; EDF 6211 Psychological Foundations of Education For Science programs, EDF 6432 is required. Students take either EDF 6211 or EDF 6215 AND either EDF 6534, EDF6544, or EDF 6482. * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com
		Study Skills and GRE Test Preparation *	0	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
	Total			9
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	33 credit hour program 12 credit hours apply from Pathway 21 credit hours remaining toward degree			
Entry Requirements • 4-year undergraduate degree in Education • Equivalent of a 2.5 GPA out of 4.0. Language Requirements • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95.	Semester 1	Course Title	Credit Hours	
	EAP 1850	English for International Students I*	6	
		Study Skills and GRE Test Preparation *	0	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
	Total			12
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
		Study Skills and GRE Test Preparation *	0	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
	Total			12

Graduate Pathway in Liberal Arts (American Studies, Film Studies, Humanities)

Program Length Accelerated - 1 Semester 18 August 2020	Degree Program Components			Program Information																																				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Humanities • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>HUM 6815</td> <td>Introduction to Graduate Study</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td colspan="2"></td> <td>Total 9</td> </tr> </tbody> </table>			Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	HUM 6815	Introduction to Graduate Study	3		Graduate Level Elective Course	3		Graduate Level Elective Course	3			Total 9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • Academic Writing Sample • Statement of Purpose • GRE 147Q, 153V. 																		
Semester 1	Course Title	Credit Hours																																						
	Study Skills and GRE Test Preparation *	0																																						
HUM 6815	Introduction to Graduate Study	3																																						
	Graduate Level Elective Course	3																																						
	Graduate Level Elective Course	3																																						
		Total 9																																						
Program Length Standard - 2 Semesters 18 August 2020	Degree Program Components			Notes																																				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in relevant humanistic field such as Humanities, English, History, Art History, or American Studies • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>HUM 6815</td> <td>Introduction to Graduate Study</td> <td>3</td> </tr> <tr> <td>HUM 6939</td> <td>Selected Topics in Humanities</td> <td>3</td> </tr> <tr> <td colspan="2"></td> <td>Total 12</td> </tr> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td colspan="2"></td> <td>Total 12</td> </tr> </tbody> </table>			Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6		Study Skills and GRE Test Preparation *	0	HUM 6815	Introduction to Graduate Study	3	HUM 6939	Selected Topics in Humanities	3			Total 12	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Study Skills and GRE Test Preparation *	0		Graduate Level Elective Course	3		Graduate Level Elective Course	3			Total 12	The Graduate Pathway in Liberal Arts (including tracks in Humanities, American Studies, and Film Studies) is a very rigorous writing intensive program for international students. We strongly encourage students only with appropriate backgrounds to apply for this program. * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com
Semester 1	Course Title	Credit Hours																																						
EAP 1850	English for International Students I*	6																																						
	Study Skills and GRE Test Preparation *	0																																						
HUM 6815	Introduction to Graduate Study	3																																						
HUM 6939	Selected Topics in Humanities	3																																						
		Total 12																																						
Semester 2	Course Title	Credit Hours																																						
EAP 1851	English for International Students II*	6																																						
	Study Skills and GRE Test Preparation *	0																																						
	Graduate Level Elective Course	3																																						
	Graduate Level Elective Course	3																																						
		Total 12																																						

Graduate Pathway in Management

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information
	38 credit hour program 10 credit hours apply from Pathway 28 credit hours remaining toward degree			
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 2 letters of recommendation • Résumé or CV • Statement of Purpose • GMAT: 500, 20 Verbal or GRE equivalent to GMAT. <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p>
	GEB 6930	Business Communications*	1	
		Study Skills and GMAT Test Preparation *	0	
	ECO 6005	Introduction to Economic Concepts (12 weeks)	3	
	ACG 6026	Accounting Concepts for Managers (12 weeks)	3	
	ISM 6021	Management Information Systems (8 weeks)	2	
	MAN 6055	Organizational Behavior	2	
	Total		11	

For accelerated notes please visit partnerportal.intoglobal.com

Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			
	38 credit hour program 12 credit hours apply from Pathway 26 credit hours remaining toward degree			
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	Semester 1	Course Title	Credit Hours	
	EAP 1850	English for International Students I*	6	
		Study Skills and GMAT Test Preparation *	0	
	GEB 6930	Business Communications*	1	
	ECO 6005	Introduction to Economic Concepts (12 weeks)	3	
	ACG 6026	Accounting Concepts for Managers (12 weeks)	3	
	Total		13	
		Semester 2	Course Title	Credit Hours
	EAP 1851	English for International Students II*	6	
	ISM 6021	Management Information Systems (8 weeks)	2	
		Study Skills and GMAT Test Preparation *	0	
	MAN 6055	Organizational Behavior	2	
	MAN 6147	Leadership Concepts	2	
	Total		12	

Graduate Pathway in Marketing

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information	
	34 credit hour program 10 credit hours apply from Pathway 24 credit hours remaining toward degree				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0 • 3 year degrees from Bologna Accord schools as well as other International programs in Business will be accepted with higher GMAT requirement. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • GMAT: 500, 20 Verbal or GRE equivalent to GMAT • Résumé or CV. 	
		GEB 6930	Business Communications*		1
			Study Skills and GMAT Test Preparation *		0
		QMB 6305	Managerial Decision Analysis (8 weeks)		2
		MAR 6815	Marketing Management (8 weeks)		2
		MAR 6466	Research for Managers		3
		MAR 6936	Digital Marketing		3
	Total			11	

Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			Notes		
	34 credit hour program 10 credit hours apply from Pathway 24 credit hours remaining toward degree					
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0 • 3 year degrees from Bologna Accord schools as well as other International programs in Business will be accepted with higher GMAT requirement. Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	Semester 1	Course Title	Credit Hours	Pathway students are not eligible to enter for Sport and Entertainment Management program. * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com		
		EAP 1850	English for International Students I*		6	
		GEB 6930	Business Communications*		1	
			Study Skills and GMAT Test Preparation *		0	
		QMB 6305	Managerial Decision Analysis (8 weeks)		2	
		MAR 6815	Marketing Management (8 weeks)		2	
		Total			11	
		Semester 2	Course Title		Credit Hours	
		EAP 1851	English for International Students II*		6	
			Study Skills and GMAT Test Preparation *		0	
	MAR 6466	Research for Managers	3			
	MAR 6936	Digital Marketing	3			
	Total			12		

Graduate Pathway in Mass Communications

Program Length	Degree Program Components	Program Information																																				
Accelerated - 1 Semester 18 August 2020 05 January 2021	39 credit hour program 9 credit hours apply from Pathway 30 credit hours remaining toward degree																																					
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.75 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>MMC 6920</td> <td>Introduction to Mass Communication Research</td> <td>3</td> </tr> <tr> <td>MMC 6400</td> <td>Mass Communications Theory</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	MMC 6920	Introduction to Mass Communication Research	3	MMC 6400	Mass Communications Theory	3		Graduate Level Elective Course	3	Total		9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • GRE score: 144Q, 153V • Statement of Intent. Notes																		
Semester 1	Course Title	Credit Hours																																				
	Study Skills and GRE Test Preparation *	0																																				
MMC 6920	Introduction to Mass Communication Research	3																																				
MMC 6400	Mass Communications Theory	3																																				
	Graduate Level Elective Course	3																																				
Total		9																																				
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	39 credit hour program 12 credit hours apply from Pathway 27 credit hours remaining toward degree	___ Concentrations: ___ Media Studies, or Strategic Communication Management The Graduate Pathway in Mass Communications is a very rigorous writing intensive program for international students. We strongly encourage students only with appropriate backgrounds to apply for this program.																																				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.75 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 70 • IELTS 6.0 • PTEA 48 • Completion of Academic English Level 5 • Password Test Level 6 • IELA/FCE 169 (162 in all subscores) • or Duolingo 95. 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>MMC 6920</td> <td>Introduction to Mass Communication Research</td> <td>3</td> </tr> <tr> <td>MMC 6400</td> <td>Mass Communications Theory</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation</td> <td>0</td> </tr> <tr> <td></td> <td>* Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td>MMC 6446</td> <td>Qualitative Research Methods</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6		Study Skills and GRE Test Preparation *	0	MMC 6920	Introduction to Mass Communication Research	3	MMC 6400	Mass Communications Theory	3	Total		12	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Study Skills and GRE Test Preparation	0		* Graduate Level Elective Course	3	MMC 6446	Qualitative Research Methods	3	Total		12	* These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com
Semester 1	Course Title	Credit Hours																																				
EAP 1850	English for International Students I*	6																																				
	Study Skills and GRE Test Preparation *	0																																				
MMC 6920	Introduction to Mass Communication Research	3																																				
MMC 6400	Mass Communications Theory	3																																				
Total		12																																				
Semester 2	Course Title	Credit Hours																																				
EAP 1851	English for International Students II*	6																																				
	Study Skills and GRE Test Preparation	0																																				
	* Graduate Level Elective Course	3																																				
MMC 6446	Qualitative Research Methods	3																																				
Total		12																																				

Graduate Pathway in Materials Science and Engineering

Program Length	Degree Program Components	Program Information																		
Accelerated - 1 Semester 18 August 2020 05 January 2021	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining towards degree																			
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Engineering (Chemical, Mechanical, Industrial, Electrical, Civil, Materials Science, Ceramic, Metallurgy, Manufacturing, Polymer and related disciplines) or Natural Sciences (Physics, Chemistry or Biology) from an accredited institution • Equivalent of a 2 • For more details please visit partnerportal.intoglobal.com Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>PHZ 5430</td> <td>Introductory Physics and Materials</td> <td>3</td> </tr> <tr> <td>EML 6290</td> <td>Micro and Nano Manufacturing</td> <td>3</td> </tr> <tr> <td></td> <td>Approved Elective Course</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	PHZ 5430	Introductory Physics and Materials	3	EML 6290	Micro and Nano Manufacturing	3		Approved Elective Course	3	Total		9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 2 letters of recommendation • GRE on File • Statement of Purpose. Notes
Semester 1	Course Title	Credit Hours																		
	Study Skills and GRE Test Preparation *	0																		
PHZ 5430	Introductory Physics and Materials	3																		
EML 6290	Micro and Nano Manufacturing	3																		
	Approved Elective Course	3																		
Total		9																		
		MS-MSE is an interdisciplinary degree. The curriculum is flexible with few core courses, and will be tailored to students based on their focus areas of study. Courses listed are a sample sequence and may vary depending on a student's background and available courses each semester. Additional Entry Requirements: Applicants should have 2 courses in Physics and Calculus and differential equations in Math																		
		* These courses are generally delivered through the INTO Centre and are for Pathway students only																		

Graduate Pathway in Materials Science and Engineering

Program Length Standard - 2 Semesters

18 August 2020
05 January 2021

Degree Program Components

30 credit hour program
12 credit hours apply from Pathway
18 credit hours remaining towards degree

Entry Requirements

- 4-year undergraduate degree in Engineering (Chemical, Mechanical, Industrial, Electrical, Civil, Materials Science, Ceramic, Metallurgy, Manufacturing, Polymer and related disciplines) or Natural Sciences (Physics, Chemistry or Biology) from an accredited institution
- Equivalent of a 2
- For more details please visit partnerportal.intoglobal.com

Language Requirements

- TOEFL 65
- IELTS 5.5 (5.0 in all subscores)
- PTEA 44
- Completion of Academic English Level 5
- Password Test Level 6
- IELA 169 (162 in all subscores)
- or Duolingo 95.

Semester 1	Course Title	Credit Hours
EAP 1850	English for International Students I*	6
	Study Skills and GRE Test Preparation *	0
PHZ 5430	Introductory Physics and Materials	3
EMA 6510	Characterization of Materials	3
Total		12
Semester 2	Course Title	Credit Hours
EAP 1851	English for International Students II*	6
	Study Skills and GRE Test Preparation *	0
EML 6290	Micro and Nano Manufacturing	3
PHZ 6430	Applied Materials Physics II	3
Total		12

Graduate Pathway in Mathematics

Program Length Accelerated - 1 Semester

18 August 2020
05 January 2021

Degree Program Components

30 credit hour program
3 credit hours apply from Pathway
27 credit hours remaining toward degree

Entry Requirements

- 4-year undergraduate degree in Mathematical Sciences
- Equivalent of a 2.5 GPA out of 4.0.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 53
- or IELA 176 (169 in all subscores).

Semester 1	Course Title	Credit Hours
	Study Skills and GRE Test Preparation *	0
MAS 4301	Elementary Abstract Algebra	3
MAA 4211	Intermediate Analysis I	3
MAS 5145	Advanced Linear Algebra	3
Total		9

Program Length Standard - 2 Semesters

18 August 2020
05 January 2021

Degree Program Components

30 credit hour program
6 credit hours apply from Pathway
24 credit hours remaining toward degree

Entry Requirements

- 4-year undergraduate degree in Mathematical Sciences
- Equivalent of a 2.5 GPA out of 4.0.

Language Requirements

- TOEFL 65
- IELTS 5.5 (5.0 in all subscores)
- PTEA 44
- Completion of Academic English Level 5
- Password Test Level 6
- IELA 169 (162 in all subscores)
- or Duolingo 95.

Semester 1	Course Title	Credit Hours
EAP 1850	English for International Students I*	6
	Study Skills and GRE Test Preparation *	0
MAS 4301	Elementary Abstract Algebra	3
MAA 4211	Intermediate Analysis I	3
Total		12
Semester 2	Course Title	Credit Hours
EAP 1851	English for International Students II*	6
	Study Skills and GRE Test Preparation *	0
MAS 5145	Advanced Linear Algebra	3
	First Course in Chosen Sequence	3
Total		12

Program Information

Progression Requirements

- 3.25 GPA
- At least one A grade in core graduate courses, and no grade lower than B
- No Incomplete or Withdraw grades
- GRE score: 155Q.

Notes

__ Concentrations: __ Pure, or Applied Spring classes may be different based on course offerings each semester.

* These courses are generally delivered through the INTO Centre and are for Pathway students only.

For accelerated notes please visit partnerportal.intoglobal.com

Graduate Pathway in Mechanical Engineering

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components	Program Information
	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining towards degree	

Entry Requirements	Semester 1	Course Title	Credit Hours	Progression Requirements
<ul style="list-style-type: none"> 4-year undergraduate degree in Mechanical Engineering Equivalent of a 2.5 GPA out of 4.0 Students entering the program must have completed the following courses: Mathematics: Calculus I, II, III, Differential Equations OR Mechanical Engineering: Thermodynamics, Heat Transfer, Fluid Mechanics, Machine Design, Solid Mechanics. <p>Language Requirements</p> <ul style="list-style-type: none"> TOEFL 79 IELTS 6.5 PTEA 53 or IELA 176 (169 in all subscores). 		Graduate Level Core Course (Mechanics, Manufacturing and Materials)	3	<ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades No GRE required. <p>Notes</p> <p>If a student enters from a field outside of ME, students required to make up pre-requisite classes before starting Pathway. __ Fluid and Thermal Science: __ EML 6105 Advanced Thermodynamics and Statistical Mechanics; EML 6154 Advanced Conduction Analysis; EML 6713 Advanced Fluid Mechanics; EML 6930 Convection Heat Transfer Mechanics; __ Manufacturing and Materials: __ EML 6653 Applied Elasticity; EML 6930 Advanced Manufacturing; EML 6930 Advanced Materials; EML 6570 Fracture Mechanics; EML 6290 Micro and Nano Manufacturing Dynamical Systems and Controls; EML 6273 Advanced Dynamics; EML 6930 Advanced Controls; EML 6930 Advanced Vibrations; EML 6801 Robotic Systems</p>
		Graduate Level Core Course (Fluid and Thermal Science Course)	3	
		Graduate Level Core Course (Dynamical Systems and Controls)	3	
	Total			

Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components
	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining towards degree

Entry Requirements	Semester 1	Course Title	Credit Hours
<ul style="list-style-type: none"> 4-year undergraduate degree in Mechanical Engineering Equivalent of a 2.5 GPA out of 4.0 Students entering the program must have completed the following courses: Mathematics: Calculus I, II, III, Differential Equations OR Mechanical Engineering: Thermodynamics, Heat Transfer, Fluid Mechanics, Machine Design, Solid Mechanics. <p>Language Requirements</p> <ul style="list-style-type: none"> TOEFL 65 IELTS 5.5 (5.0 in all subscores) PTEA 44 Completion of Academic English Level 5 Password Test Level 6 IELA 169 (162 in all subscores) or Duolingo 95. 	EAP 1850	English for International Students I*	6
		Graduate Level Core Course (Fluid and Thermal Science Course)	3
		Graduate Level Core Course (Mechanics, Manufacturing and Materials)	3
	Total		
	Semester 2	Course Title	Credit Hours
	EAP 1851	English for International Students II*	6
		Graduate Level Core Course (Mechanics, Manufacturing and Materials)	3
		Graduate Level Core Course (Dynamical Systems and Controls)	3
Total			12

* These courses are generally delivered through the INTO Centre and are for Pathway students only.

For accelerated notes please visit partnerportal.intoglobal.com

Graduate Pathway in Microbiology

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information
	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree			
Entry Requirements	Semester 1	Course Title	Credit Hours	Progression Requirements
<ul style="list-style-type: none"> 4-year undergraduate degree in Natural Sciences (Chemistry, Biology, Medicine) Equivalent of a 2.5 GPA out of 4.0. 		Study Skills and GRE Test Preparation *	0	<ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades 3 letters of recommendation GRE score: 148Q, 153v, 4.5AW
Language Requirements <ul style="list-style-type: none"> TOEFL 79 IELTS 6.5 PTEA 53 or IELA 176 (169 in all subscores). 	BSC 6932	Intro to Genetics	3	Statement of Purpose. Notes Total credit hours for the Cell Biology, Microbiology, and Molecular Biology Non-Thesis M.S. are 30 hours with a minimum of 21 hours of elective courses, 6 hours of core courses and 3 hours of BSC 6930 Lectures in Contemporary Biology. * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com
	BSC 6932 BSC 6932	Metabolic Processes (Cell Metabolism) or Intro to Cell Biology	3	
	BSC 6932	Intro to Microbial Processes	3	
	Total		9	
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			
	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree			
Entry Requirements	Semester 1	Course Title	Credit Hours	
<ul style="list-style-type: none"> 4-year undergraduate degree in Natural Sciences (Chemistry, Biology, Medicine) Equivalent of a 2.5 GPA out of 4.0. 		English for International Students I*	6	
Language Requirements <ul style="list-style-type: none"> TOEFL 65 IELTS 5.5 (5.0 in all subscores) PTEA 44 Completion of Academic English Level 5 Password Test Level 6 IELA 169 (162 in all subscores) or Duolingo 95. 		Study Skills and GRE Test Preparation *	0	
	BSC 6932	Cellular Processes (Bio I)	3	
	BSC 6932	Metabolic Processes (Cell Metabolism)	3	
	Total		12	
	Semester 2	Course Title	Credit Hours	
		English for International Students II*	6	
		Study Skills and GRE Test Preparation *	0	
	BSC 6932	Intro to Microbial Processes	3	
	BSC 6932	Intro to Genetics	3	
	Total		12	

Graduate Pathway in Music

Program Length	Degree Program Components	Program Information																														
Accelerated - 1 Semester 18 August 2020 05 January 2021	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree																															
Entry Requirements <ul style="list-style-type: none"> 4-year undergraduate degree in Music Equivalent of a 2.5 GPA out of 4.0 Auditions or interviews are required for acceptance into Chamber Music, Conducting, Electro-Acoustic Music, Performance, Piano Pedagogy and Theory concentrations Approved portfolios are required 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Semester 1</th> <th style="text-align: left;">Course Title</th> <th style="text-align: left;">Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Graduate Level Core Course</td> <td style="text-align: right;">3</td> </tr> <tr> <td></td> <td>Graduate Level Core Course</td> <td style="text-align: right;">3</td> </tr> <tr> <td></td> <td>Graduate Level Concentration Course</td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td style="text-align: right;">9</td> </tr> </tbody> </table> <p>Language requirements: TOEFL 79, IELTS 6.5, PTEA 53, or IELA 176 (169 in all subscores)</p>	Semester 1	Course Title	Credit Hours		Graduate Level Core Course	3		Graduate Level Core Course	3		Graduate Level Concentration Course	3	Total		9	Progression Requirements <ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades No GRE required. <p>Notes</p> <p>__ Concentrations: __ Chamber Music, Choral Conducting, Composition, Electro-Acoustic Music, Instrumental Conducting, Jazz Composition, Jazz Performance, Performance, Piano Pedagogy, or Theory Please allow at least 2 months for an admissions decision for this program. Students will be advised by Music advisor on which electives to take based on selected concentrations and core requirements.</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com</p>															
Semester 1	Course Title	Credit Hours																														
	Graduate Level Core Course	3																														
	Graduate Level Core Course	3																														
	Graduate Level Concentration Course	3																														
Total		9																														
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree																															
Entry Requirements <ul style="list-style-type: none"> 4-year undergraduate degree in Music Equivalent of a 2.5 GPA out of 4.0 Auditions or interviews are required for acceptance into Chamber Music, Conducting, Electro-Acoustic Music, Performance, Piano Pedagogy and Theory concentrations Approved portfolios are required for acceptance into Composition and Jazz Composition. <p>Language Requirements</p> <ul style="list-style-type: none"> TOEFL 65 IELTS 5.5 (5.0 in all subscores) PTEA 44 Completion of Academic English Level 5 Password Test Level 6 IELA 169 (162 in all subscores) or Duolingo 95. 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Semester 1</th> <th style="text-align: left;">Course Title</th> <th style="text-align: left;">Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td style="text-align: right;">6</td> </tr> <tr> <td></td> <td>Graduate Level Concentration Course</td> <td style="text-align: right;">3</td> </tr> <tr> <td></td> <td>Graduate Level Concentration Course</td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td style="text-align: right;">12</td> </tr> <tr> <th style="text-align: left;">Semester 2</th> <th style="text-align: left;">Course Title</th> <th style="text-align: left;">Credit Hours</th> </tr> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td style="text-align: right;">6</td> </tr> <tr> <td></td> <td>Graduate Level Core Course</td> <td style="text-align: right;">3</td> </tr> <tr> <td></td> <td>Graduate Level Core Course</td> <td style="text-align: right;">3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td style="text-align: right;">12</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6		Graduate Level Concentration Course	3		Graduate Level Concentration Course	3	Total		12	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Graduate Level Core Course	3		Graduate Level Core Course	3	Total		12	
Semester 1	Course Title	Credit Hours																														
EAP 1850	English for International Students I*	6																														
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Total		12																														
Semester 2	Course Title	Credit Hours																														
EAP 1851	English for International Students II*	6																														
	Graduate Level Core Course	3																														
	Graduate Level Core Course	3																														
Total		12																														

Graduate Pathway in Music Composition

Program Length Standard - 2 Semesters 18 August 2020	Degree Program Components 30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree			Program Information
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Music • Equivalent of a 2.5 GPA out of 4.0 • Auditions or interviews are required for acceptance into the Music Composition concentration. <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL iBT 65-78 • IELTS 5.5-6.0 (All subscores minimum 5.0) • PTEA 44-52 • Completion of Academic English Level 5 or Password Test Level 6. 	Semester 1 EAP 1850 Graduate Level Concentration Course Graduate Level Concentration Course	Course Title English for International Students I* Graduate Level Concentration Course Graduate Level Concentration Course	Credit Hours 6 3 3 Total 12	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • No GRE required. Progression requirements for some majors may vary • See below for full details • Concentrations: Composition, Jazz Composition • Notes: Please allow at least 2 months for an admissions decision for this program
Program Length Accelerated - 1 Semester 18 August 2020	Degree Program Components 30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree			Notes Students will be advised by Music advisor on which electives to take based on selected concentrations and core requirements.
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Music • Equivalent of a 2.5 GPA out of 4.0 • Auditions or interviews are required for acceptance into the Music Composition concentration. <p>Language Requirements</p> <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	Semester 1 Graduate Level Core Course Graduate Level Concentration Course Graduate Level Concentration Course	Course Title Graduate Level Core Course Graduate Level Concentration Course Graduate Level Concentration Course	Credit Hours 3 3 3 Total 9	* These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com

Graduate Pathway in Pharmaceutical Nanotechnology

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components 32 credit hour program 9 credit hours apply from Pathway 23 credit hours remaining toward degree	Program Information
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Entry Requirements

- 4-year undergraduate degree preferably in the biomedical, biological, pharmaceutical or chemical sciences, or engineering, or similar, from a regionally accredited institution
- Equivalent of a 2.5 out of 4.0 GPA.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 53
- or IELA 176 (169 in all subscores).

Semester 1	Course Title	Credit Hours
	Study Skills and GRE Test Preparation *	0
	Graduate Level Course in Discipline	3
	Graduate Level Course in Discipline	3
	Graduate Level Course in Discipline	3
Total		9

Progression Requirements

- 3.25 GPA
- At least one A grade in core graduate courses, and no grade lower than B
- No Incomplete or Withdraw grades
- Recommendation/Reference
- GRE on file Résumé or CV
- Statement of Purpose.

Notes

Possible courses in discipline: PHA 6146 Introduction to Nanotechnology; PHA 6336 Tissue Engineering and Regenerative Medicine; PHA 6119 Micro/Nanoscale Drug Delivery Systems; PHA 6147 Nanotechnology and Risk Management; PHA 6449 Pharmacogenomics--Current and Future Prospects; PHA 6118 Nanomaterials, BioMEMS and Nanodevices in Medicine; PHA 6222 Pharmacy Practice Management; PHA 6225 Invention, Innovation & Entrepreneurship

Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components 32 credit hour program 12 credit hours apply from Pathway 20 credit hours remaining toward degree
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Entry Requirements

- 4-year undergraduate degree preferably in the biomedical, biological, pharmaceutical or chemical sciences, or engineering, or similar, from a regionally accredited institution
- Equivalent of a 2.5 out of 4.0 GPA.

Language Requirements

- TOEFL 65
- IELTS 5.5 (5.0 in all subscores)
- PTEA 44
- Completion of Academic English Level 5
- Password Test Level 6
- IELA 169 (162 in all subscores)
- or Duolingo 95.

Semester 1	Course Title	Credit Hours
EAP 1850	English for International Students I*	6
	Study Skills and GRE Test Preparation *	0
	Graduate Level Course in Discipline	3
	Graduate Level Course in Discipline	3
Total		12
Semester 2	Course Title	Credit Hours
EAP 1851	English for International Students II*	6
	Study Skills and GRE Test Preparation *	0
	Graduate Level Course in Discipline	3
	Graduate Level Course in Discipline	3
Total		12

* These courses are generally delivered through the INTO Centre and are for Pathway students only.

For accelerated notes please visit partnerportal.intoglobal.com

Graduate Pathway in Physics

Program Length Accelerated - 1 Semester 18 August 2020	Degree Program Components	Program Information																		
Entry Requirements <ul style="list-style-type: none"> 4-year undergraduate degree in Physics or related field (Chemistry, Mathematics) Equivalent of a 2.5 GPA out of 4.0 Grade of B or higher in at least 4 of the 6 physics courses listed: Introduction to Quantum Mechanics, Electricity and Magnetism I, Math Methods, Classical Mechanics, Modern Physics or Stat-Mech/Thermo. <p>Language Requirements</p> <ul style="list-style-type: none"> TOEFL 79 IELTS 6.5 PTEA 53 or IELA 176 (169 in all subscores). 	Degree Program Components 30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree	Progression Requirements <ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades Recommendation/Reference GRE on file Résumé or CV Statement of Purpose. <p>Notes</p> <p>Courses to be determined by previous academic qualifications.</p>																		
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Semester 1	Course Title	Credit Hours																		
	Study Skills and GRE Test Preparation *	0																		
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Total		9																		

Program Length Standard - 2 Semesters 18 August 2020	Degree Program Components	Program Information																		
Entry Requirements <ul style="list-style-type: none"> 4-year undergraduate degree in Physics or related field (Chemistry, Mathematics) Equivalent of a 2.5 GPA out of 4.0 Grade of B or higher in at least 4 of the 6 physics courses listed: Introduction to Quantum Mechanics, Electricity and Magnetism I, Math Methods, Classical Mechanics, Modern Physics or Stat-Mech/Thermo. <p>Language Requirements</p> <ul style="list-style-type: none"> TOEFL 65 IELTS 5.5 (5.0 in all subscores) PTEA 44 Completion of Academic English Level 5 Password Test Level 6 IELA 169 (162 in all subscores) or Duolingo 95. 	Degree Program Components 30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree	Progression Requirements <ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades Recommendation/Reference GRE on file Résumé or CV Statement of Purpose. <p>Notes</p> <p>Courses to be determined by previous academic qualifications.</p>																		
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Semester 1	Course Title	Credit Hours																		
EAP 1850	English for International Students I*	6																		
	Study Skills and GRE Test Preparation *	0																		
	Graduate Level Core Course in Physics	3																		
	Graduate Level Core Course in Physics	3																		
Total		12																		
	<table border="1"> <thead> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td></td> <td>Graduate Level Core Course in Physics</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Core Course in Physics</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Study Skills and GRE Test Preparation *	0		Graduate Level Core Course in Physics	3		Graduate Level Core Course in Physics	3	Total		12	
Semester 2	Course Title	Credit Hours																		
EAP 1851	English for International Students II*	6																		
	Study Skills and GRE Test Preparation *	0																		
	Graduate Level Core Course in Physics	3																		
	Graduate Level Core Course in Physics	3																		
Total		12																		

Graduate Pathway in Religious Studies

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information
	30 credit hour program 9 credit hours apply from Pathway 21 credit hours remaining toward degree			
Entry Requirements • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0.	Semester 1	Course Title	Credit Hours	Progression Requirements • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • GRE on file Statement of Intellectual Interest • Writing Sample.
Language Requirements • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores).		Study Skills and GRE Test Preparation *	0	
	RLG 6035	Theory and Methods in Religious Studies	3	
	RLG 6143	Religion, Culture and Society	3	
		Graduate Level Elective Course	3	
	Total			
				9
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			Program Information
	30 credit hour program 12 credit hours apply from Pathway 18 credit hours remaining toward degree			
Entry Requirements • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0.	Semester 1	Course Title	Credit Hours	Notes __ Concentrations: __ Religions of Western Antiquities, Religions of Asia, Social Scientific Approaches to Religion in Society, or Philosophical and Theological Approaches to Religion * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com
Language Requirements • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95.		English for International Students I*	6	
		Study Skills and GRE Test Preparation *	0	
	RLG 6035	Theory and Methods in Religious Studies	3	
	RLG 6143	Religion, Culture and Society	3	
	Total			
				12
	Semester 2	Course Title	Credit Hours	
	EAP 1851	English for International Students II*	6	
		Study Skills and GRE Test Preparation *	0	
		Graduate Level Elective Course	3	
		Graduate Level Elective Course	3	
	Total			
				12

Graduate Pathway in Secondary Education: Biology

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components			Program Information	
	33 credit hour program 9 credit hours apply from Pathway 24 credit hours remaining toward degree				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Science, Science Education or Education with appropriate science content hours • Note, an education undergraduate degree is NOT required • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 2 letters of recommendation • Résumé or CV • Statement of Purpose • GRE on file. Notes Core courses in this major are: EDF 6432 Foundations of Measurement; EDF 6481 Foundations of Educational Research; EDG 6627 Foundations of Curriculum & Instruction; EDF 6215 Learning Principles Applied to Instruction; EDF 6211 Psychological Foundations of Education; Concentrations: Cell Biology, Microbiology, Molecular Biology	
			Study Skills and GRE Test Preparation *		0
			Graduate Level Course in Concentration		3
			Graduate Level Course in Concentration		3
			Graduate Level Course in Concentration		3
	Total 9				
Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components			Program Information	
	33 credit hour program 12 credit hours apply from Pathway 21 credit hours remaining toward degree				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Science, Science Education or Education with appropriate science content hours • Note, an education undergraduate degree is NOT required • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	Semester 1	Course Title	Credit Hours	* These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com	
		EAP 1850	English for International Students I*		6
			Study Skills and GRE Test Preparation *		0
			Graduate Level Course in Concentration		3
			Graduate Level Course in Concentration		3
	Total 12				
	Semester 2	Course Title	Credit Hours		
	EAP 1851	English for International Students II*	6		
		Study Skills and GRE Test Preparation *	0		
		Graduate Level Course in Concentration	3		
		Graduate Level Course in Concentration	3		
	Total 12				

Graduate Pathway in Secondary Education: Chemistry

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components 33 credit hour program 9 credit hours apply from Pathway 24 credit hours remaining toward degree	Program Information
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Entry Requirements <ul style="list-style-type: none"> 4-year undergraduate degree in Science, Science Education or Education with appropriate science content hours Note, an education undergraduate degree is NOT required Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> TOEFL 79 IELTS 6.5 PTEA 53 or IELA 176 (169 in all subscores). 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades 2 letters of recommendation Résumé or CV Statement of Purpose GRE on file. Notes Core courses in this major are: EDF 6432 Foundations of Measurement; EDF 6481 Foundations of Educational Research; EDG 6627 Foundations of Curriculum & Instruction; EDF 6215 Learning Principles Applied to Instruction; EDF 6211 Psychological Foundations of Education
		Study Skills and GRE Test Preparation *	0	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
	Total			9

Program Length Standard - 2 Semesters 18 August 2020 05 January 2021	Degree Program Components 33 credit hour program 12 credit hours apply from Pathway 21 credit hours remaining toward degree	Program Information
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Entry Requirements <ul style="list-style-type: none"> 4-year undergraduate degree in Science, Science Education or Education with appropriate science content hours Note, an education undergraduate degree is NOT required Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> TOEFL 65 IELTS 5.5 (5.0 in all subscores) PTEA 44 Completion of Academic English Level 5 Password Test Level 6 IELA 169 (162 in all subscores) or Duolingo 95. 	Semester 1	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades 2 letters of recommendation Résumé or CV Statement of Purpose GRE on file. Notes Core courses in this major are: EDF 6432 Foundations of Measurement; EDF 6481 Foundations of Educational Research; EDG 6627 Foundations of Curriculum & Instruction; EDF 6215 Learning Principles Applied to Instruction; EDF 6211 Psychological Foundations of Education
	EAP 1850	English for International Students I*	6	
		Study Skills and GRE Test Preparation *	0	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
	Total			12
	Semester 2	Course Title	Credit Hours	Progression Requirements <ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades 2 letters of recommendation Résumé or CV Statement of Purpose GRE on file. Notes * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com
	EAP 1851	English for International Students II*	6	
		Study Skills and GRE Test Preparation *	0	
		Graduate Level Course in Concentration	3	
		Graduate Level Course in Concentration	3	
	Total			12

Graduate Pathway in Secondary Education: Mathematics

Program Length Accelerated - 1 Semester 18 August 2020 05 January 2021	Degree Program Components	Program Information																																				
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Mathematics or related subject • Note, an education undergraduate degree is NOT required • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	Degree Program Components 33 credit hour program 9 credit hours apply from Pathway 24 credit hours remaining toward degree																																					
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Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Mathematics or related subject • Note, an education undergraduate degree is NOT required • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 65 • IELTS 5.5 (5.0 in all subscores) • PTEA 44 • Completion of Academic English Level 5 • Password Test Level 6 • IELA 169 (162 in all subscores) • or Duolingo 95. 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>EAP 1850</td> <td>English for International Students I*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td></td> <td>Graduate Level Course in Concentration</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Course in Concentration</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> <tr> <th>Semester 2</th> <th>Course Title</th> <th>Credit Hours</th> </tr> <tr> <td>EAP 1851</td> <td>English for International Students II*</td> <td>6</td> </tr> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td></td> <td>Graduate Level Course in Concentration</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Course in Concentration</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>12</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	EAP 1850	English for International Students I*	6		Study Skills and GRE Test Preparation *	0		Graduate Level Course in Concentration	3		Graduate Level Course in Concentration	3	Total		12	Semester 2	Course Title	Credit Hours	EAP 1851	English for International Students II*	6		Study Skills and GRE Test Preparation *	0		Graduate Level Course in Concentration	3		Graduate Level Course in Concentration	3	Total		12	Core courses in this major are: EDF 6432 Foundations of Measurement; EDF 6481 Foundations of Educational Research; EDG 6627 Foundations of Curriculum & Instruction; EDF 6215 Learning Principles Applied to Instruction; EDF 6211 Psychological Foundations of Education * These courses are generally delivered through the INTO Centre and are for Pathway students only. For accelerated notes please visit partnerportal.intoglobal.com
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Graduate Pathway in Secondary Education: Physics

Program Length	Degree Program Components	Program Information																																				
Accelerated - 1 Semester 18 August 2020 05 January 2021	33 credit hour program 9 credit hours apply from Pathway 24 credit hours remaining toward degree																																					
Entry Requirements <ul style="list-style-type: none"> 4-year undergraduate degree in Science, Science Education or Education with appropriate science content hours Note, an education undergraduate degree is NOT required Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> TOEFL 79 IELTS 6.5 PTEA 53 or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td></td> <td>Graduate Level Course in Concentration</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Course in Concentration</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Course in Concentration</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0		Graduate Level Course in Concentration	3		Graduate Level Course in Concentration	3		Graduate Level Course in Concentration	3	Total		9	Progression Requirements <ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades 2 letters of recommendation Résumé or CV Statement of Purpose GRE on file. Notes Core courses in this major are: EDF 6432 Foundations of Measurement; EDF 6481 Foundations of Educational Research; EDG 6627 Foundations of Curriculum & Instruction; EDF 6215 Learning Principles Applied to Instruction; EDF 6211 Psychological Foundations of Education																		
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Graduate Pathway in Statistics

Program Length	Degree Program Components	Program Information																																				
Accelerated - 1 Semester 18 August 2020 05 January 2021	30 credit hour program 3 credit hours apply from Pathway 27 credit hours remaining toward degree																																					
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree in Statistics (preferred), Mathematics, Physical Sciences, Engineering or Business required • Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>STA 5166</td> <td>Statistical Methods I</td> <td>3</td> </tr> <tr> <td>MAA 4211</td> <td>Intermediate Analysis I</td> <td>3</td> </tr> <tr> <td>STA 4442</td> <td>Introduction to Probability</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	STA 5166	Statistical Methods I	3	MAA 4211	Intermediate Analysis I	3	STA 4442	Introduction to Probability	3	Total		9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • GRE score: 151Q, 143V, 4.5AW. Notes Spring classes may be different based on course offerings each semester.																		
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Graduate Pathway in Studio Art

Program Length	Degree Program Components	Program Information															
Accelerated - 1 Semester 18 August 2020	60 credit hour program 9 credit hours apply from Pathway 51 credit hours remaining toward degree																
Entry Requirements <ul style="list-style-type: none"> • 4-year undergraduate degree • Equivalent of a 2.5 GPA out of 4.0 • Portfolio of creative work and Artist Statement by January 15. Language Requirements <ul style="list-style-type: none"> • TOEFL 79 • IELTS 6.5 • PTEA 53 • or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td>ART 6895</td> <td>Graduate Seminar 1</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td></td> <td>Graduate Level Elective Course</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours	ART 6895	Graduate Seminar 1	3		Graduate Level Elective Course	3		Graduate Level Elective Course	3	Total		9	Progression Requirements <ul style="list-style-type: none"> • 3.25 GPA • At least one A grade in core graduate courses, and no grade lower than B • No Incomplete or Withdraw grades • 3 letters of recommendation • Artist's Statement • Résumé or CV • No GRE required. Notes __ ONLY 5 PLACES AVAILABLE__ INTO USF and the USF College of The Arts partner together in search of the world's most talented artists. PORTFOLIO: There is a cost of \$12 to submit your portfolio. The following portfolio materials must be submitted electronically at https://usf.slideroom.com/#/Log : Artist Statement, 2D or 3D artwork (submit 20 images), Digital Video Electronic Art media may be submitted through Slideroom or by DVD or CD if necessary
Semester 1	Course Title	Credit Hours															
ART 6895	Graduate Seminar 1	3															
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Total		9															

Graduate Pathway in Studio Art

Program Length Standard - 2 Semesters

18 August 2020

Degree Program Components

60 credit hour program
12 credit hours apply from Pathway
48 credit hours remaining toward degree

Entry Requirements

- 4-year undergraduate degree. Equivalent of a 2.5 GPA out of 4.0. Portfolio of creative work and Artist Statement by January 15.

Language Requirements

- TOEFL 65, IELTS 5.5 (5.0 in all subscores), PTEA 44, Password Test Level 6, IELA 169 (162 in all subscores), or Duolingo 95.

Semester 1	Course Title	Credit Hours
EAP 1850	English for International Students I*	6
ART 6895	Graduate Seminar 1	3
	Graduate Level Elective Course	3
Total		6

Semester 2	Course Title	Credit Hours
EAP 1851	English for International Students II*	6
	Graduate Level Elective Course	3
	Graduate Level Elective Course	3
Total		6

Graduate Pathway in Teaching English to Speakers of Other Languages (TESOL)

Program Length Accelerated - 1 Semester

18 August 2020
05 January 2021
11 May 2021

Degree Program Components

33 credit hour program
9 credit hours apply from Pathway
24 credit hours remaining toward degree

Program Information

Entry Requirements

- 4-year undergraduate degree in Education
- Equivalent of a 2.5 GPA out of 4.0
- 2 years professional/educational experience

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 53
- or IELA 176 (169 in all subscores).

Semester 1	Course Title	Credit Hours
	Graduate Level Course in Concentration	3
	Graduate Level Course in Concentration	3
	Graduate Level Course in Concentration	3
Total		9

Progression Requirements

- 3.25 GPA
- At least one A grade in core graduate courses, and no grade lower than B
- No Incomplete or Withdraw grades
- 2 letters of recommendation
- Résumé or CV
- Statement of Purpose.

Notes

Core courses in this major are: EDF 6432 Foundations of Measurement; EDF 6481 Foundations of Educational Research; EDG 6627 Foundations of Curriculum & Instruction; EDF 6215 Learning Principles Applied to Instruction; EDF 6211 Psychological Foundations of Education

* These courses are generally delivered through the INTO Centre and are for Pathway students only.

For accelerated notes please visit partnerportal.intoglobal.com

Program Length Standard - 2 Semesters

18 August 2020
05 January 2021
11 May 2021

Degree Program Components

33 credit hour program
12 credit hours apply from Pathway
21 credit hours remaining toward degree

Entry Requirements

- 4-year undergraduate degree in Education
- Equivalent of a 2.5 GPA out of 4.0
- 2 years professional/educational experience

Language Requirements

- TOEFL 65
- IELTS 5.5 (5.0 in all subscores)
- PTEA 44
- Completion of Academic English Level 5
- Password Test Level 6
- IELA 169 (162 in all subscores)
- or Duolingo 95.

Semester 1	Course Title	Credit Hours
EAP 1850	English for International Students I*	6
	Graduate Level Course in Concentration	3
	Graduate Level Course in Concentration	3
Total		12

Semester 2	Course Title	Credit Hours
EAP 1851	English for International Students II*	6
	Graduate Level Course in Concentration	3
	Graduate Level Course in Concentration	3
Total		12

Graduate Pathway in Urban and Community Design

Program Length Accelerated - 1 Semester	Degree Program Components	Program Information																																				
18 August 2020 05 January 2021	45 credit hour program 9 credit hours apply from Pathway 36 credit hours remaining toward degree																																					
Entry Requirements <ul style="list-style-type: none"> 4-year undergraduate degree in Architecture, Landscape Architecture or Urban Design Equivalent of a 2.5 GPA out of 4.0 Portfolio of creative work. Language Requirements <ul style="list-style-type: none"> TOEFL 79 IELTS 6.5 PTEA 53 or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td></td> <td>Studio I or Graduate Level Core Course and Graduate Level Core Course</td> <td>9</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0		Studio I or Graduate Level Core Course and Graduate Level Core Course	9	Total		9	Progression Requirements <ul style="list-style-type: none"> 3.25 GPA At least one A grade in core graduate courses, and no grade lower than B No Incomplete or Withdraw grades 3 letters of recommendation GRE score on file Letter of Intent. <p>Notes: Please allow at least 1 month for an admissions decision for this program. Each student is required to submit a portfolio of all academic design studio work from the last years (at least four semesters) of their undergraduate studies for admission to the Program (minimum of eight different projects). Group work is acceptable, but you must identify your role in the project (minimum of eight different projects). Professional work is also acceptable in the portfolio, but must be separated with your role in the project clearly identified. Along with this, applicants must provide a letter stating that all of the work in the portfolio was completed solely by them. Students should indicate which course on their transcript that each design project was completed in. You can read the School's Portfolio Policy at: http://arch.usf.edu/wpcontent/uploads/2015/01/Portfolio_Policy_Rev01052015.pdf. Three urban/ community design studio courses are required for the MUCD Program. These courses require a significant personal time commitment both in and outside the regular class meeting time. The Urban and Community Design students are strongly encouraged to maintain proficiency with current graphic software applications and productivity prior to applying to the program. Each design studio has a mandatory travel component. Students will incur additional class trip travel fees for studio-related travel. Travel destinations are determined at the beginning of each semester. Class trips may be within the US or abroad and may require additional visas. All INTO students are required to attend a mandatory orientation to the School of Architecture and Community Design and the Urban and Community Design Program at the beginning of their first semester at USF.</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p> <p>For accelerated notes please visit partnerportal.intoglobal.com</p>																								
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Graduate Pathway in Urban and Regional Planning

Program Length Accelerated - 1 Semester	Degree Program Components	Program Information																		
18 August 2020 05 January 2021	48 credit hour program 9 credit hours apply from Pathway 39 credit hours remaining toward degree																			
Entry Requirements <ul style="list-style-type: none"> 4-year undergraduate degree Equivalent of a 2.5 GPA out of 4.0. Language Requirements <ul style="list-style-type: none"> TOEFL 79 IELTS 6.5 PTEA 53 or IELA 176 (169 in all subscores). 	<table border="1"> <thead> <tr> <th>Semester 1</th> <th>Course Title</th> <th>Credit Hours</th> </tr> </thead> <tbody> <tr> <td></td> <td>Study Skills and GRE Test Preparation *</td> <td>0</td> </tr> <tr> <td>URP 5277</td> <td>GIS for Planners</td> <td>3</td> </tr> <tr> <td>URP 6100</td> <td>Planning, Theory and History</td> <td>3</td> </tr> <tr> <td>URP 6549</td> <td>Urban and Metro Economic Development</td> <td>3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total</td> <td>9</td> </tr> </tbody> </table>	Semester 1	Course Title	Credit Hours		Study Skills and GRE Test Preparation *	0	URP 5277	GIS for Planners	3	URP 6100	Planning, Theory and History	3	URP 6549	Urban and Metro Economic Development	3	Total		9	<p>Notes</p> <p>* These courses are generally delivered through the INTO Centre and are for Pathway students only.</p> <p>For accelerated notes please visit partnerportal.intoglobal.com</p>
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