## PROGRAM GRIDS 2020-2021

## International Year One in Agricultural Sciences

## Program Length

Accelerated - 1 Semester
17 August 2020
11 January 2021
10 May 2021
Entry Requirements

- High school diploma; 2.3 GPA.

Language Requirements

- TOEFL 75
- IELTS 6.0
- PTEA 50
- Password 7
- Completion of Academic English Level 3 with a minimum $80 \%$ in all graded classes
- IELA 176
- or Duolingo 120.

Degree Program Components
120 credit hour program
14-17 credit hours apply from Pathway
103-106 credits remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 151 | English for International Students II* | 3 |
| AREC 202 | Agriculture and Resource Economics | 3 |
|  | Agriculture Introduction Course | $3-4$ |
| KEY 192C | Seminar | 3 |
| AGRI 192 or | Orientation to Agricultural Systems or | 1 |
| AGRI 292 | Transfer Seminar (Agriculture) |  |
| MATH | Math Course | 1-3 |
|  | Total |  |

Progression Requirements - 2.5 CSU GPA

- Grade of C or better in all classes - No unresolved W or I or U grades.

Notes
AREC 202: Students must test into College Algebra I. MATH: Course depends on Math Placement (MPE) results and major requirement. AGRI 116: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester. KEY 192A: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester.

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

| Program Length Standard - <br> 2 Semesters <br> 17 August 2020 <br> 11 January 2021 <br> 10 May 2021 | Degree Program Components <br> 120 credit hour program <br> 25-32 credit hours apply from Pathway <br> $88-95$ credits remaining toward degree |  |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - High school diploma; 2.3 GPA. <br> Language Requirements <br> - TOEFL 60 <br> - IELTS 5.5 <br> - PTEA 44 <br> - Password 6 <br> - Completion of Academic English Level 3 with a minimum $75 \%$ in all graded classes <br> - IELA 162 <br> - or Duolingo 90. | Semester 1 | Course Title | Credit Hours |
|  | EAP 150 | English for International Students I* | 6 |
|  | AREC 202 | Agriculture and Resource Economics | 3 |
|  | MATH | Math Course | 1-3 |
|  |  | Agriculture Introduction Course | 3-4 |
|  |  | Tota | 13-16 |
|  | Semester 2 | Course Title | Credit Hours |
|  | EAP 151 | English for International Students II* | 3 |
|  | AGRI 116 | Plants and Civilization | 3 |
|  | KEY 192A | Seminar | 1 |
|  | MATH | Math Course | 1-3 |
|  | LIFE 102 or BZ 120 or CHEM | Living Systems or Plant Biology or Chemistry Course | 3-5 |
|  | AGRI 192 or AGRI 292 | Orientation to Agricultural Systems or Transfer Seminar (Agriculture) | 1 |

Total 12-16

## International Year One in Business Administration/Economics

| Program Length <br> Accelerated - 1 Semester <br> 17 August 2020 <br> 11 January 2021 <br> 10 May 2021 |
| :---: |
| Entry Requirements <br> - High school diploma <br> - 2.3 GPA (no lower than C average in all Math courses). |
| Language Requirements <br> - TOEFL 79 <br> - IELTS 6.5 <br> - PTEA 53 <br> - Password 7 <br> - Completion of Academic English Level 3 with a minimum $80 \%$ in all graded classes <br> - IELA 176 <br> - or Duolingo 120. |

## Degree Program Components

120 credit hour program
16 credit hours apply from Pathway
104 credits remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 151 | English for International Students II* $^{*}$ | 3 |
| MATH 141 | Calculus | 3 |
| ECON 202 | Principles of Microeconomics | 3 |
| SPCM 100 | Introduction to Popular Culture | 3 |
| KEY 192C | Seminar | 3 |
| BUS 100 | Introduction to Business | 1 |

Total 16

- IELA 176
- or Duolingo 120.

Program Information

Progression Requirements

- Business: 3.0 CSU GPA
- Grade of C or better
- Grade of B- or better in MATH 141 and ECON 202
- No unresolved W or I or U grades.
- Economics: 2.5 CSU GPA
- Grade of C or better
- No unresolved W or I or U grades.

Notes
MATH: Course depends on Math Placement (MPE) results. BUS 100: This course is typically taken by Business Majors only. General Education Course: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester. KEY 192A: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester. MATH 141: Students must test out of College Algebra II.

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

| Program Length Standard - | Degree Program Components |
| :--- | :--- | :--- | :--- |
| 2 Semesters |  |
| 17 August 2020 |  |
| 11 January 2021 |  |
| 10 May 2021 |  |

## International Year One in Computer Science

## Program Length

## Accelerated - 1 Semester

## 17 August 2020

11 January 2021
10 May 2021
Entry Requirements

- High school diploma; 2.3 GPA (no
lower than a C average in all Math courses).

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 53
- Password 7
- Completion of Academic English

Level 3 with a minimum $80 \%$ in all graded classes

- IELA 176
- or Duolingo 120.


## Degree Program Components

120 credit hour degree programs 14 credit hours apply from Pathway
106 credits remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 151 | English for International Students II* | 3 |
| MATH 160 | Calculus for Physical Scientists I | 4 |
| CS 163 | Foundations in Programming with <br> JAVA | 4 |
| SPCM 100 | Introduction to Popular Culture | 3 |
| Total 14 |  |  |

Total 14

## Program Information

Progression Requirements - 2.5 CSU GPA

- Grade of C or better in all classes - No unresolved W or I or U grades.

Notes
MATH: Course depends on Math Placement (MPE) results. SPCM 200: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester. MATH 160: Students must test out of all pre-calculus courses.

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

| Program Length Standard - <br> 2 Semesters <br> 17 August 2020 <br> 11 January 2021 <br> 10 May 2021 | Degree Pr 120 credit hour $27-31$ credit $89-93$ credits | am Components <br> egree programs s apply from Pathway maining toward degree |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - High school diploma; 2.3 GPA (no lower than a C average in all Math courses). | Semester 1 | Course Title | Credit Hours |
|  | EAP 150 | English for International Students I* | 6 |
|  | SPCM 100 | Introduction to Popular Culture | 3 |
| Language Requirements <br> - TOEFL 60 <br> - IELTS 5.5 <br> - PTEA 44 <br> - Password 6 <br> - Completion of Academic English Level 3 with a minimum $75 \%$ in all graded classes <br> - IELA 162 <br> - or Duolingo 90. | MATH | Pre-Calculus or Calculus | 1-5 |
|  | CS 150 | Introduction to Programming | 3 |
|  | Total 13-17 |  |  |
|  | Semester 2 | Course Title | Credit Hours |
|  | EAP 151 | English for International Students II* | 3 |
|  | SPCM 200 | Public Speaking or General Education Course | 3 |
|  | MATH | Calculus | 4 |
|  | CS 163 | Foundations in Programming with JAVA | 4 |

## Total 14

## International Year One in Dance

Program Length
Accelerated -1 Semester
17 August 2020
11 January 2021

Entry Requirements

- High school diploma; 2.3 GPA
- Audition required.
Language Requirements
- TOEFL 79
- IELTS 6.5
- PTEA 53
- Password 7
- Completion of Academic English
Level 3 with a minimum $80 \%$ in all
graded classes
- IELA 176
- or Duolingo 120.


## Program Length

Accelerated - 1 Semester

## 11 ungust 2020

## Entry Requirements

- High school diploma; 2.3 GPA

Language Requirements

- TOEFL 79
- IELTS 6.5
-PTEA 53
- Password 7

Completion of Academic English
evel 3 with a minimum $80 \%$ in al

- IELA 176
- or Duolingo 120.

Degree Program Components
120 credit hour degree programs 15-17 credit hours apply from Pathway 103-105 credits remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 151 | English for International Students II* | 3 |
| SPCM 100 | Introduction to Popular Culture | 3 |
| D 220 A | Dance Techniques III: Modern | 2 |
| D 220/320 B | Dance Techniques: Ballet | $3-5$ |
| D 126 | Dance Improvisation | 2 |
| D 330 | Ballet Repertory Ensemble | 2 |

Total 15-17

## Program Length Standard -

2 Semesters
17 August 2020
11 January 2021

Entry Requirements

- High school diploma; 2.3 GPA
- Audition required

Language Requirements

- TOEFL 60
- IELTS 5.5
- PTEA 44
- Password 6
- Completion of Academic English Level 3 with a minimum $75 \%$ in all graded classes
- IELA 162
- or Duolingo 90.


## Program Information

Progression Requirements - 2.5 CSU GPA

- Grade of C or better in all classes
- No unresolved W or I or U grades.

Notes
Students who do not meet audition requirements may switch to the General Pathway and audition again their second semester. This will extend the time required to earn their degree. Auditions can be done via video, for more information visit: https://intostudy.com/en-gb/universities/colorado-state-university/programs/international-year-one-in-dance

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

Spring start dates are available. Courses may vary based on start date. Please see the website for more details.

## Degree Program Components

120 credit hour degree programs
30-34 credit hours apply from Pathway
$86-90$ credits remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International Students I* | 6 |
| SPCM 100 | Introduction to Popular Culture | 3 |
| D 220/221 A | Dance Techniques: Modern | 2 |
| D 220/221 B /D | Dance Techniques: Ballet | $3-5$ |
| 320/321 B |  | Total |
| D 330/340 | Ballet Repertory Ensemble or <br> Contemporary Repertory Ensemble | 2 |
|  |  | Credit Hours |
| Semester 2 | Course Title | 3 |
| EAP 151 | English for International Students II* | 3 |
| MATH 101 | Math in the Social Sciences | 3 |
| D 286 | Practicum: Production Running Crew | 1 |
| D 220/221 A | Dance Techniques: Modern | 2 |
| D 220/221 B /D | Dance Techniques: Ballet | $3-5$ |
| 320/321 B |  | 2 |
| D 330/340 | Ballet Repertory Ensemble or | 2 |

Total 14-16

## International Year One in Engineering

## Program Length

## Accelerated - 1 Semester

17 August 2020
11 January 2021
10 May 2021
Entry Requirements

- High school diploma
- 2.3 GPA (no lower than C average
in all Math courses).
Language Requirements
- TOEFL 79
- IELTS 6.5
- PTEA 53
- Password 7
- Completion of Academic English

Level 3 with a minimum $80 \%$ in all graded classes

- IELA 176
- or Duolingo 120.


## Degree Program Components

125-159 credit hour degree programs 12 credit hours apply from Pathway $113-147$ credits remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 151 | English for International Students II* | 3 |
| CHEM PREP | Chemistry Preparation Tutorial | 0 |
| CHEM 111/112 <br> or PH 141 | General Chemistry I/General <br> Chemistry Laboratory I or Physics for <br> Scientists and Engineers | 5 |
| ENGR 102 | Engineering Problem Solving | 3 |
| MATH 160 | Calculus for Physical Scientists I | 4 |
| Total |  | 15 |

## Program Information

Progression Requirements -2.75 CSU GPA with 3.0 CSU GPA for Mechanical Engineering - Grade of C or better in all classes - Grade of B or better in MATH 160 or 161, PH 141, and /or CHEM 111 - No unresolved W or I or U grades. Notes

Total credits remaining toward degree depend on specific engineering program of study. MATH 160: Students must test out of all pre-calculus courses. MATH: Course depends on Math Placement (MPE) results. General Education Course: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester. CHEM 112 OR PH 141 Prerequisites: CHEM 111 or concurrent registration OR MATH 160 or concurrent registration

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

Program Length Standard -

## 2 Semesters

17 August 2020
11 January 2021
10 May 2021

## Entry Requirements

- High school diploma
- 2.3 GPA (no lower than C average in all Math courses).

Language Requirements

- TOEFL 60
- IELTS 5.5
- PTEA 44
- Password 6
- Completion of Academic English

Level 3 with a minimum $75 \%$ in all
graded classes

- IELA 162
- or Duolingo 90.


## Degree Program Components

125-159 credit hour degree programs
18-22 credit hours apply from Pathway
103-141 credits remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International Students I* | 6 |
| CHEM PREP | Chemistry Preparation Tutorial | 0 |
| SPCM 100 | Introduction to Popular Culture | 3 |
| MATH | Pre-Calculus or Calculus | $1-5$ |
|  | General Education Course | 3 |
|  |  | Total |
| Semester 2 | Course Title | Credit Hours |
| EAP 151 | English for International Students II* | 3 |
| ENGR 102 | Engineering Problem Solving | 3 |
| MATH | Calculus | 4 |
| CHEM 111/112 <br> or PH 141 | General Chemistry I/General <br> Chemistry Laboratory I or Physics for <br> Scientists and Engineers | 5 |

Total 15

## International Year One in General

## Program Length

## Accelerated - 1 Semester

## 17 August 2020

11 January 2021
10 May 2021
Entry Requirements

- High school diploma; 2.3 GPA.

Language Requirements

- TOEFL 75
- IELTS 6.0
- PTEA 50
- Password 7
- Completion of Academic English Level 3 with a minimum $80 \%$ in all graded classes
- IELA 176
- or Duolingo 120.

Degree Program Components
120 credit hour program
8-17 credit hours apply from Pathway
103-112 credits remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 151 | English for International Students II* | 3 |
| MATH | Math Course | $1-5$ |
|  | General Education Course | 3 |
| Key 192A | Seminar | 1 |
|  | General Education Course or Major <br> Course TBD | $4-5$ |

Total 12-17

## Program Information

Progression Requirements - 2.5 CSU GPA

- Grade of C or better in all classes - No unresolved W or I or U grades. Notes

MATH: Courses depend upon the requirements of the student's intended major. General Education Course: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester. KEY 192A: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester. General Education Course or Major Course TBD: Courses depend upon the requirements of the student's intended major.

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

| Program Length Standard - <br> 2 Semesters <br> 17 August 2020 <br> 11 January 2021 <br> 10 May 2021 | Degree Pr <br> 120 credit hour 29-35 credit 85-91 credit | Components <br> rogram <br> apply from Pathway aining toward degree |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - High school diploma; 2.3 GPA. | Semester 1 | Course Title | Credit Hours |
|  | EAP 150 | English for International Students I* | 6 |
| Language Requirements <br> - TOEFL 60 <br> - IELTS 5.5 <br> - PTEA 44 <br> - Password 6 <br> - Completion of Academic English Level 3 with a minimum $75 \%$ in all graded classes <br> - IELA 162 <br> - or Duolingo 90. | SPCM 100 | Introduction to Popular Culture | 3 |
|  | KEY 192C | Seminar | 3 |
|  | MATH | Math Course | 1-5 |
|  | Total 13-17 |  |  |
|  | Semester 2 | Course Title | Credit Hours |
|  | EAP 151 | English for International Students II* | 3 |
|  |  | General Education Course | 3 |
|  | KEY 192A | Seminar | 1 |
|  | SPCM 200 | Public Speaking | 3 |
|  |  | General Education Course or Major Course TBD | 3 |
|  |  | General Education Course or Major Course TBD | 3-5 |

## Total 16-18

## International Year One in Languages, Literatures and Cultures French, German or Spanish

## Program Length

Accelerated - 1 Semester
17 August 2020
11 January 2021
10 May 2021

Entry Requirements

- High school diploma; 2.3 GPA.

Language Requirements

- TOEFL 75
- IELTS 6.0
- PTEA 50
- Password 7
- Completion of Academic English Level 3 with a minimum $80 \%$ in all graded classes
- IELA 176
- or Duolingo 120.


## Program Length Standard 2 Semesters

## 17 August 2020

11 January 2021
10 May 2021
Entry Requirements

- High school diploma; 2.3 GPA.

Language Requirements

- TOEFL 60
- IELTS 5.5
- PTEA 44
- Password 6
- Completion of Academic English Level 3 with a minimum $75 \%$ in all graded classes
- IELA 162
- or Duolingo 90.


## Degree Program Components

120 credit hour program
12-14 credit hours apply from Pathway
106-108 credits remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 151 | English for International Students II* | 3 |
| HIST 1XX | Approved History Course | 3 |
|  | One of five options | $6-8$ |

Total 12-14

## Program Information

Progression Requirements - 2.5 CSU GPA

- Grade of C or better in all classes
- No unresolved W or I or U grades.

Notes
One of five options - Course depends on language placement results and must be in a language other than the native language:
LSPA/LFRE/LGER
105/107/200/201/300/3xx (Course depends on language placement results and must be in a language other than the native language) AND General Education Course (6-8 credits). General Education: Courses will not be required in summer semester, resulting in fewer credit hours that semester. LSPA/ LFRE/LGER
105/107/200/201/300/3xx: Course depends on language placement and must be in non-native language. One of three options -Course depends on language placement and must be in non-native language LSPA/LFRE/LGER 107/200 \& General: First Year Language OR Second Year Language AND General Education Course (6-8 credits)
LSPA/LFRE/LGER 201 \& General:
Second Year Language II AND General Education Course (6 credits) LSPA/LFRE/LGER 300/3xx (Courses will not be required in summer semester, resulting in fewer credit hours that semester): Reading and Writing for Communication AND Upper Division Course (6 credits)

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

| Semester 1 | Course Title | Credit <br> Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International <br> Students I* | 6 |
| MATH | Math Course | 3 |
| LSPA/LFRE/LGER <br> 105/107/200/201/300/3xx | First Year Language or Second <br> Year Language or Reading and <br> Writing for Communication or <br> Upper Division Course | $3-5$ |
| Semester 2 | Course Title | Total 12-14 |
| EAP 151 | English for International | Credit <br> Students II* |
| HIST 1XX | Approved History Course | 3 |
|  | One of three options | $6-8$ |

## International Year One in Mathematics

## Program Length

Accelerated - 1 Semester
17 August 2020
11 January 2021
10 May 2021
Entry Requirements

- High school diploma
- 2.3 GPA (no lower than C average in all Math courses).

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 53
- Password 7
- Completion of Academic English

Level 3 with a minimum $80 \%$ in all graded classes

- IELA 176
- or Duolingo 120.


## Degree Program Components

120 credit hour degree programs
13-18 credit hours apply from Pathway
102-107 credits remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 151 | English for International Students II* | 3 |
| MATH 160 | Calculus for Physical Scientists I | 4 |
| MATH 192 | First-year Seminar in Mathematical <br> Sciences | 1 |
| KEY 192C | Seminar | 3 |
| SPCM 100 | Introduction to Popular Culture | 3 |

Total 14

| Program Length Standard 2 Semesters <br> 17 August 2020 <br> 11 January 2021 <br> 10 May 2021 | Degree Pr <br> 120 credit hour <br> 27-33 credit <br> 87-93 credit | Components <br> gree programs apply from Pathway aining toward degree |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - High school diploma <br> - 2.3 GPA (no lower than C average in all Math courses). | Semester 1 | Course Title | Credit Hours |
|  | EAP 150 | English for International Students I* | 6 |
|  | MATH 160 | Calculus for Physical Scientists I | 1-5 |
| Language Requirements <br> -TOEFL 60 <br> - IELTS 5.5 <br> - PTEA 44 <br> - Password 6 <br> - Completion of Academic English Level 3 with a minimum $75 \%$ in all graded classes <br> - IELA 162 <br> - or Duolingo 90. | MATH 192 | First-year Seminar in Mathematical Sciences | 1 |
|  | KEY 192C | Seminar | 3 |
|  | SPCM 100 | Introduction to Popular Culture | 3 |
|  | Total 14-18 |  |  |
|  | Semester 2 | Course Title | Credit Hours |
|  | EAP 151 | English for International Students II* | 3 |
|  | MATH 161 | Calculus for Physical Scientists II | 4 |
|  |  | General Education Course | 3 |
|  |  | Major Course Determined by Concentration | 3-5 |

Total 13-15

## International Year One in Sciences

## Program Length

## Accelerated - 1 Semester

## 17 August 2020

11 January 2021
10 May 2021
Entry Requirements

- High school diploma; 2.3 GPA (no
lower than a C average in all Math courses).

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 53
- Password 7
- Completion of Academic English

Level 3 with a minimum $80 \%$ in all graded classes

- IELA 176
- or Duolingo 120.

Degree Program Components
120 credit hour degree programs 14-15 credit hours apply from Pathway 105-106 credits remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 151 | English for International Students II* | 3 |
| CHEM PREP | Chemistry Preparation Tutorial | 0 |
| SPCM 100 | Introduction to Popular Culture | 3 |
| MATH | Calculus | 4 |
| SCIENCE | Biology, Physics OR Chemistry Course | $4-5$ |

Total 14-15

## Program Information

Progression Requirements - 2.5 CSU GPA

- Grade of C or better in all classes - No unresolved W or I or U grades.

Notes
CHEM PREP: For majors requiring CHEM 111; MATH: Course depends on Math Placement (MPE) results. General Education Course: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester. KEY 192A and SPCM 200: Courses will not be required over the summer semester, which will result in fewer than the stated number of credit hours that semester. SCIENCE: Course depends on Math Placement (MPE) results and requirements for major.

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


## Program Length Standard -

## 2 Semesters

17 August 2020
11 January 2021
10 May 2021

## Entry Requirements

- High school diploma; 2.3 GPA (no lower than a C average in all Math courses).

Language Requirements

- TOEFL 60
- IELTS 5.5
- PTEA 44
- Password 6
- Completion of Academic English

Level 3 with a minimum 75\% in all
graded classes

- IELA 162
- or Duolingo 90.


## Degree Program Components

120 credit hour degree programs
28-35 credit hours apply from Pathway
85-92 credits remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International Students I* | 6 |
| CHEM PREP | Chemistry Preparation Tutorial | 0 |
| SPCM 100 | Introduction to Popular Culture | 3 |
| KEY 192C | Seminar | 3 |
| MATH | Pre-Calculus or Calculus | 1-5 |
|  |  | Total |
| 13-17 |  |  |
| Semester 2 | Course Title | Credit Hours |
| EAP 151 | English for International Students II* | 3 |
|  | General Education Course AND | 3 |
| KEY 192A OR | Seminar OR Public Speaking | $1-3$ |
| SPCM 200 |  |  |
| SCIENCE | Biology, Physics OR Chemistry Course | $4-5$ |
| MATH | Calculus | 4 |

## Undergraduate Transfer Program

| Program Length Standard - <br> 2 Semesters <br> 17 August 2020 <br> 11 January 2021 | Degree Program Components <br> 120-159 credit hour program 28-32 credit hours apply from UTP <br> Credits remaining to degree depend on transfer credits applied |  |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - Minimum of 1 college/university credits Minimum college/university GPA of 2.3 (Engineering students require a GPA of 2.5) <br> - Engineering majors will be considered on a case by case basis and advised of progression required at time of application. | Semester 1 | Course Title | Credit Hours |
|  | EAP 150 | English for International Students I* | 6 |
|  | MATH | Math Course | 1-5 |
|  |  | General Education Course or Major Course TBD | 3 |
|  |  | General Education Course or Major Course TBD | 3 |
| Language Requirements <br> - TOEFL 60 <br> - IELTS 5.5 <br> - PTEA 44 <br> - Password 6 <br> - Completion of Academic English Level 3 with a minimum $75 \%$ in all graded classes <br> - IELA 162 <br> - or Duolingo 90. | Total 13-17 |  |  |
|  | Semester 2 | Course Title | Credit Hours |
|  | EAP 151 | English for International Students II* | 3 |
|  |  | General Education Course or Major Course TBD | 3 |
|  |  | General Education Course or Major Course TBD | 3 |
|  |  | General Education Course or Major Course TBD | 3 |
|  |  | General Education Course or Major Course TBD | 3 |
|  | Total 15 |  |  |
| Program Length Accelerated - 1 Semester <br> 17 August 2020 <br> 11 January 2021 | Degree Program Components <br> 120-159 credit hour degree programs 13-17 credit hours apply from Pathway Credits remaining to degree depend on transfer credits applied |  |  |
| Entry Requirements <br> - Minimum of 1 college/university credits Minimum college/university GPA of 2.3 (Engineering students require a GPA of 2.5) <br> - Engineering majors will be considered on a case by case basis and advised of progression required at time of application. | Semester 1 | Course Title | Credit Hours |
|  | EAP 151 | English for International Students II* | 3 |
|  | MATH | Math Course | 1-5 |
|  |  | General Education Course or Major Course TBD | 3 |
|  |  | General Education Course or Major Course TBD | 3 |
| Language Requirements <br> - TOEFL 75-79 |  | General Education Course or Major Course TBD | 3 |

- TOEFL 75-79
- Password 7
- PTEA 50-53
- Completion of Academic English

Level 3 with minimum of $80 \%$ in all classes

- IELA 176
- or Duolingo 120.


## Graduate Pathway in Applied Statistics

## Program Length

## Accelerated-1 Semester

11 January 2021

Entry Requirements

- Undergraduate degree
- Linear Algebra OR Calculus III or
equivalent
- Upper-level statistics course
- 2.75 GPA in math and technical courses.

Language Requirements

- TOEFL 86
- IELTS 6.5
- PTEA 58
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

31 credit hour degree program 2 credit hours apply from Pathway 29 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| STAT 512 | Design and Data Analysis for <br> Researchers II | 4 |
| STAA 565 | Quantitative Reasoning | 1 |
| STAA 566 | Data Visualization Methods | 1 |
| MATH 261/369 | Linear Algebra I OR Calculus for <br> Physical Scientists III | $3-4$ |

Total 12-13

## Program Information

Progression Requirements - 3.0 CSU GPA [3.25 GPA for all MATH, STAT, and STAA Courses]

- Grade B or better in all classes
- No unresolved W or I or U grades
- Resume, Statement of purpose and 3 Recommendation letters required for grad file.

Notes
500-600 level STAA graduate credits will apply toward the degree. STAT and undergraduate credits do not count toward the degree; they serve as pre-degree foundation requirements.

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

| Program Length Standard 2 Semesters <br> 17 August 2020 | Degree Program Components <br> 31 credit hour degree program 2 credit hours apply from Pathway 29 credit hours remaining toward degree |  |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - Undergraduate degree <br> - Calculus II or equivalent <br> - 2.75 GPA in math and technical courses. | Semester 1 | Course Title | Credit Hours |
|  | EAP 150 | English for International Students I* | 6 |
|  | STAT 511 | Design and Data Analysis for Researchers I | 4 |
| Language Requirements | MATH 261 | Calculus for Physical Scientists III | 4 |
| - TOEFL 76 | Total 14 |  |  |
| - PTEA 51 | Semester 2 | Course Title | Credit Hours |
| - Password 6.5 <br> - Completion of Academic English Level 3 with a minimum of $75 \%$ in all graded courses <br> - IELA 169 <br> - or Duolingo 95. | EAP 152 | English for International Graduate Students* | 6 |
|  | STAT 512 | Design and Data Analysis for Researchers II | 4 |
|  | STAA 565 | Quantitative Reasoning | 1 |
|  | STAA 566 | Data Visualization Methods | 1 |
|  | MATH 369 | Linear Algebra I | 3 |
|  | Total 15 |  |  |

## Graduate Pathway in Chemical Engineering

## Program Length

Accelerated-1 Semester
17 August 2020

Entry Requirements

- Undergraduate degree in Chemical Engineering or closely related engineering discipline - 2.75 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

30-32 credit hour degree program
9 credit hours may apply from Pathway
21-23 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| CBE 521 | Mathematical Modeling for Chemical <br> Engineers | 3 |
| CBE 501 | Chemical Engineering <br> Thermodynamics | 3 |
| CBE 502 | Advanced Reactor Design | 3 |

Total 12

## Program Information

Progression Requirements - 3.0 CSU GPA

- Grade of B or better in all classes
- No unresolved W or I or U grades
- Resume, Statement of purpose and 3 Recommendation letters required for grad file
- [M.S. Program requires a statement of research interests and relevant experience].


## Notes

Based on academic background, students in the 2-Semester Pathway may be required to take undergraduate-level coursework that does not satisfy ME or MS degree requirements. 500-600 level graduate credits will apply toward the degree.

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

| Program Length Standard - <br> 2 Semesters <br> 17 August 2020 | Degree Program Components <br> 30-32 credit hour degree program 12 credit hours may apply from Pathway $18-20$ credit hours remaining toward degree |  |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - Undergraduate degree in Chemical Engineering or closely related engineering discipline <br> - Minimum 2.75 cumulative undergraduate GPA in math, sciences and technical courses. | Semester 1 | Course Title | Credit Hours |
|  | EAP 150 | English for International Students I* | 6 |
|  | CBE 521 | Mathematical Modeling for Chemical Engineers | 3 |
|  | CBE 501 | Chemical Engineering Thermodynamics | 3 |
| Language Requirements <br> - TOEFL 70 | Total 12 |  |  |
| - IELTS 6.0 | Semester 2 | Course Title | Credit Hours |
| - PTEA 48 | EAP 152 | English for International Graduate | 6 |
| - Password 6.5 |  | Students* |  |
| Level 3 with a minimum of $75 \%$ in | CBE 503 | Transport Phenomena Fundamentals | 3 |
| all graded courses <br> - IELA 169 | CBE 5xx | Graduate-level Elective | 3 |

- or Duolingo 95.

Total 12

## Graduate Pathway in Civil Engineering - Structural Engineering

## Program Length Standard -

 2 Semesters
## 17 August 2020

11 January 2021

Entry Requirements

- Undergraduate degree in Civil Engineering orclosely related engineering discipline
- 2.75 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 70
- IELTS 6.0
- PTEA 48
- Password 6.5
- Completion of Academic English

Level 3 with a minimum of $75 \%$ in all graded courses

- IELA 169
- or Duolingo 95.

Degree Program Components
30 credit hour degree program
12 credit hours apply from Pathway
18 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International Students I* | 6 |
| CIVE 560 | Advanced Mechanics of Materials | 3 |
| CIVE 566 | Intermediate Structural Analysis | 3 |
|  |  | Total |
|  |  | 12 |
| Semester 2 | Course Title | Credit Hours |
| EAP 152 | English for International Graduate | 6 |
| CIVE 565 | Students* |  |
| CIVE 562 | Fundamentals of Vibrations |  |
|  |  | Total | students will complete their Pathway in the Fall. 500-600 level graduate credits will apply toward the degree.

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


## Graduate Pathway in Civil Engineering - Water Resources

## Program Length Standard - <br> 2 Semesters <br> 17 August 2020 <br> 11 January 2021

## Entry Requirements

- Undergraduate degree in Civil Engineering orclosely related engineering discipline
- 2.75 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 70
- IELTS 6.0
- PTEA 48
- Password 6.5
- Completion of Academic English

Level 3 with a minimum of $75 \%$ in
all graded courses

- IELA 169
- or Duolingo 95


## Degree Program Components

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

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International Students I* | 6 |
| CIVE 544 | Water Resources Planning and <br> Management | 3 |
| CIVE 520 | Physical Hydrology | Total |
|  | 12 |  |
| Semester 2 | Course Title | Credit Hours |
| EAP 152 | English for International Graduate <br> Students* | 6 |
| CIVE 577 | GIS in Civil and Environmental <br> Engineering | 3 |
| CIVE 571 | Pipe Systems Engineering and <br> Hydraulics | 3 |

Total 12

## Program Information

Progression Requirements - 3.0 CSU GPA

- 3.0 CIVE GPA
- Grade of B or better in all classes
- Grade of B or better in all CIVE classes
- No unresolved W or I or U grades - Resume, Statement of Purpose and 3 Recommendation letters required.


## Notes

Spring 2-Semester Pathway students will complete their Pathway in the Fall. 500-600 level graduate credits will apply toward the degree.

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


## Graduate Pathway in Computer Engineering - Computer Architecture/Embedded System

## Program Length

Accelerated - 1 Semester
17 August 2020
11 January 2021

Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

30 credit hour degree program
7 credit hours may apply from Pathway
23 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :---: | :--- | :---: |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |


| ECE/CS 561 | Hardware/Software Design of <br> Embedded Systems | 4 |
| :--- | :--- | :--- |


| ECE 455 | Introduction to Robot <br> Programming/Simulation | 3 |
| :--- | :--- | :--- |

Total 10

Program Length Standard -

## 2 Semesters

17 August 2020
11 January 2021

## Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 70
- IELTS 6.0
- PTEA 48
- Password 6.5
- Completion of Academic English Level 3 with a minimum of $75 \%$ in all graded courses
- IELA 169
- or Duolingo 95.


## Program Information

Progression Requirements - 3.0 CSU GPA for ME; 3.2 CSU GPA for MS

- Grad of B or better in all classes - No unresolved W or I or U grades - Resume, Statement of Purpose and 3 Recommendation letters required.

Notes
Spring 2-Semester Pathway students will complete their Pathway in the Fall. 500-600 level graduate credits and up to six credits of the ECE 400 level will apply toward the degree.

Spring start dates are available. Course may vary based on start date. Please see the website for more details.

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


## Degree Program Components

> 30 credit hour degree program
> 14 credit hours may apply from Pathway
> 16 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International Students I* | 6 |
| ECE/CS 561 | Hardware/Software Design of <br> Embedded Systems | 4 |
| ECE 455 | Introduction to Robot <br> Programming/Simulation | 3 |
| Semester 2 | Course Title | Total |
| EAP 152 | English for International Graduate <br> Students* | 6 |
| ECE 452 | Computer Organization and <br> Architecture | 3 |
| ECE 571/575 | VLSI System Design I with Lab | 4 |
|  |  | Total |

## Graduate Pathway in Computer Engineering - Computer Engineering

| Program Length <br> Accelerated - 1 Semester <br> 17 August 2020 <br> 11 January 2021 | Degree Program Components <br> 30 credit hour degree program <br> 7 credit hours may apply from Pathway <br> 23 credit hours remaining toward degree |  |  | Program Information |
| :---: | :---: | :---: | :---: | :---: |
| Entry Requirements <br> - Undergraduate degree in Electrical Engineering, Computer Engineering, Computer Science or closely related engineering discipline <br> - 2.5 GPA in math, sciences and technical courses. | Semester 1 | Course Title | Credit Hours | Progression Requirements <br> - 3.0 CSU GPA for ME; 3.2 CSU GPA for MS <br> - Grad of B or better in all classes <br> - No unresolved W or I or U grades <br> - Resume, Statement of Purpose and 3 Recommendation letters required. |
|  | EAP 153 | Writing for International Graduate Students* | 3 |  |
|  | ECE/CS 561 | Hardware/Software Design of Embedded Systems | 4 |  |
| Language Requirements <br> - TOEFL 79 <br> - IELTS 6.5 <br> - PTEA 52 <br> - Password 7 <br> - Completion of Academic English Level 3 with a minimum of $85 \%$ in all graded courses <br> - IELA 176 <br> - or Duolingo 120. | ECE 455 | Introduction to Robot Programming/Simulation | 3 | Notes <br> Spring 2-Semester Pathway students will complete their Pathway in the Fall. 500-600 level graduate credits and up to six credits of the ECE 400 level will apply toward the degree. <br> Spring start dates are available. Course may vary based on start date. Please see the website for more details. <br> * These courses are generally delivered through the INTO Centre and are for Pathway students only. |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Program Length Standard 2 Semesters <br> 17 August 2020 <br> 11 January 2021 | Degree Program Components <br> 30 credit hour degree program <br> 14 credit hours may apply from Pathway <br> 16 credit hours remaining toward degree |  |  |  |
| Entry Requirements <br> - Undergraduate degree in Electrical Engineering, Computer Engineering, Computer Science or closely related engineering discipline <br> - 2.5 GPA in math, sciences and technical courses. | Semester 1 | Course Title | Credit Hours |  |
|  | EAP 150 | English for International Students I* | 6 |  |
|  | ECE/CS 561 | Hardware/Software Design of Embedded Systems | 4 |  |
|  | ECE 455 | Introduction to Robot Programming/Simulation | 3 |  |
|  | Total 13 |  |  |  |
| Language Requirements <br> - TOEFL 70 <br> - IELTS 6.0 <br> - PTEA 48 <br> - Password 6.5 <br> - Completion of Academic English Level 3 with a minimum of $75 \%$ in all graded courses <br> - IELA 169 <br> - or Duolingo 95. | Semester 2 | Course Title | Credit Hours |  |
|  | EAP 152 | English for International Graduate | 6 |  |
|  |  | Students* |  |  |
|  | ECE 452 | Computer Organization and Architecture | 3 |  |
|  | ECE 571/575 | VLSI System Design I with Lab | 4 |  |
|  |  |  |  |  |

## Graduate Pathway in Computer Engineering - High Performance Computing

## Program Length

Accelerated-1 Semester
17 August 2020
11 January 2021

11 January 2021

## Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.

Program Length Standard -

## 2 Semesters

17 August 2020
11 January 2021

## Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 70
- IELTS 6.0
- PTEA 48
- Password 6.5
- Completion of Academic English Level 3 with a minimum of $75 \%$ in all graded courses
- IELA 169
- or Duolingo 95.


## Degree Program Components

30 credit hour degree program
6-7 credit hours may apply from Pathway
23-24 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :---: | :--- | :---: |
| EAP 153 | Writing for International Graduate <br> Students* | 3 | graduate credits and up to six credits of the ECE 400 level will apply toward the degree.

Spring start dates are available. Course may vary based on start date. Please see the website for more details.

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

Progression Requirements - 3.0 CSU GPA for ME; 3.2 CSU GPA for MS

- Grad of B or better in all classes
- No unresolved W or I or U grades
- Resume, Statement of Purpose and 3 Recommendation letters required.

Notes
Spring 2-Semester Pathway students will complete their Pathway in the Fall. 500-600 level

## Program Information

Progression Requirements
-3.0 CSU GPA for ME; 3.2 CSU
GPA for MS

- Grad of B or better in all classes
- No unresolved W or I or U grades
- Resume, Statement of Purpose
and 3 Recommendation letters
required.

Total 10

## Degree Program Components

30 credit hour degree program
13-14 credit hours may apply from Pathway
16-17 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :---: |
| EAP 150 | English for International Students I* | 6 |
| ECE/CS 561 | Hardware/Software Design of <br> Embedded Systems | 4 |
| ECE 455 | Introduction to Robot <br> Programming/Simulation | 3 |
| Semester 2 | Course Title | Total |
| EAP 152 | English for International Graduate <br> Students* | Credit Hours |
| ECE 452 | Computer Organization and <br> Architecture | 3 |
| ECE 555 | Advanced Robotics | 3 |
|  |  | Total |

## Graduate Pathway in Computer Engineering or Electrical Engineering - Robotics: Vision

## Program Length

Accelerated - 1 Semester
17 August 2020
11 January 2021

Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.

Program Length Standard -
2 Semesters
17 August 2020
11 January 2021

Entry Requirements

- Undergraduate degree in Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline
- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 70
- IELTS 6.0
- PTEA 48
- Password 6.5
- Completion of Academic English Level 3 with a minimum of $75 \%$ in all graded courses
- IELA 169
- or Duolingo 95.


## Degree Program Components

30 credit hour degree program
6-7 credit hours may apply from Pathway
23-24 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :---: |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| ECE 455 | Introduction to Robot <br> Programming/Simulation | 3 |
|  | One of the following CS or ECE <br> courses (B) | 3 |

Total 9

## Degree Program Components

30 credit hour degree program
12-13 credit hours may apply from Pathway
17-18 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International Students I $^{*}$ | 6 |
| ECE 455 | Introduction to Robot <br> Programming/Simulation | 3 |
|  | One course from the following CS <br> or ECE courses (B) | 3 |


|  |  | Total 12 |
| :--- | :--- | :---: |
| Semester 2 | Course Title | Credit Hours |
| EAP 152 | English for International Graduate <br> Students* | 6 |
| ECE 555 | Advanced Robotics | 3 |
| ECE 520 | Optimization Methods - Control and <br> Communication | 3 |

## Program Information

Progression Requirements - 3.0 CSU GPA for ME; 3.2 CSU GPA for MS

- Grad of B or better in all classes - No unresolved W or I or U grades - Resume, Statement of Purpose and 3 Recommendation letters required.

Notes
Spring 2-Semester Pathway students will complete their Pathway in the Fall. 500-600 level graduate credits and up to six credits of the ECE 400 level will apply toward the degree.
(B) One course from the following CS or ECE courses: CS 410: Introduction to Compuer Graphics (3 credits) ECE 512: Digital Signal Processing (3 credits)

Spring start dates are available. Course may vary based on start date. Please see the website for more details.

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

[^0]
## Graduate Pathway in Computer Engineering or Electrical Engineering - Robotics: Robot Control

## Program Length

Accelerated-1 Semester
17 August 2020
11 January 2021

11 January 2021

Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

30 credit hour degree program
6-7 credit hours may apply from Pathway
23-24 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :---: |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| ECE 455 | Introduction to Robot <br> Programming/Simulation | 3 |
|  | One course from the following ECE <br> courses (B) | $3-4$ |

Total 9-10

## Program Information

Progression Requirements - 3.0 CSU GPA for ME; 3.2 CSU GPA for MS

- Grad of B or better in all classes
- No unresolved W or I or U grades
- Resume, Statement of Purpose and 3 Recommendation letters required.

Notes
Spring 2-Semester Pathway students will complete their Pathway in the Fall. 500-600 level graduate credits and up to six credits of the ECE 400 level will apply toward the degree.
(B) One course from the following ECE courses: ECE 411: Control Systems (4 credits) ECE 514: Applications of Random Precesses (3 credits)

Spring start dates are available. Course may vary based on start date. Please see the website for more details

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

| Program Length Standard - <br> 2 Semesters <br> 17 August 2020 <br> 11 January 2021 | Degree Program Components <br> 30 credit hour degree program 12-13 credit hours may apply from Pathway 17-18 credit hours remaining toward degree |  |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - Undergraduate degree in Electrical Engineering, Computer Engineering, Computer Science or closely related engineering discipline <br> - 2.5 GPA in math, sciences and technical courses. | Semester 1 | Course Title | Credit Hours |
|  | EAP 150 | English for International Students I* | 6 |
|  | ECE 455 | Introduction to Robot Programming/Simulation | 3 |
|  |  | One course from the following ECE courses (B) | 3-4 |
| Language Requirements <br> - TOEFL 70 <br> - IELTS 6.0 <br> - PTEA 48 <br> - Password 6.5 <br> - Completion of Academic English Level 3 with a minimum of $75 \%$ in all graded courses <br> - IELA 169 | Total 12-13 |  |  |
|  | Semester 2 | Course Title | Credit Hours |
|  | EAP 152 | English for International Graduate | 6 |
|  |  | Students* |  |
|  | ECE 555 | Advanced Robotics | 3 |
|  | ECE 520 | Optimization Methods - Control and Communication | 3 |

## Graduate Pathway in Computer Engineering or Electrical Engineering Additional Areas of Study

## Program Length

## Accelerated - 1 Semester <br> 17 August 2020 <br> 11 January 2021

Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

30 credit hour degree program
6-8 credit hours may apply from Pathway
22-24 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| ECE 4XX/5XX | Electrical and Computer Engineering <br> Course | $3-4$ |
| ECE 4XX/5XX | Electrical and Computer Engineering <br> Course | $3-4$ |

Total 9-11

## Program Information

Progression Requirements -3.0 CSU GPA for ME; 3.2 CSU GPA for MS

- Grad of B or better in all classes
- No unresolved W or I or U grades
- Resume, Statement of Purpose and 3 Recommendation letters required.

Notes
Additional areas of study:
Biomedical Engineering, Computer Networking, Communications \& Signal Processing, Lasers and Optics, Electric Power and Energy, Radars and Remote Sensing

Spring 2-Semester Pathway students will complete their Pathway in the Fall. 500-600 level graduate credits and up to six credits of the ECE 400 level will apply toward the degree.

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


## Program Length Standard -

## 2 Semesters

17 August 2020
11 January 2021

## Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 70
- IELTS 6.0
- PTEA 48
- Password 6.5
- Completion of Academic English

Level 3 with a minimum of $75 \%$ in
all graded courses

- IELA 169
- or Duolingo 95.


## Degree Program Components

30 credit hour degree program
12-16 credit hours may apply from Pathway
14-18 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International Students I* | 6 |
| ECE 4XX/5XX | Electrical and Computer Engineering <br> Course | $3-4$ |
| ECE 4XX/5XX | Electrical and Computer Engineering <br> Course | $3-4$ |
|  | Total 12-14 |  |
| Semester 2 | Course Title | Credit Hours |
| EAP 152 | English for International Graduate <br> Students* | 6 |
| ECE 4XX/5XX | Electrical and Computer Engineering <br> Course | $3-4$ |
| ECE 4XX/5XX | Electrical and Computer Engineering <br> Course | $3-4$ |

Total 12-14

## Graduate Pathway in Computer Information Systems



## Graduate Pathway in Computer Science

## Program Length

## Accelerated - 1 Semester

## 17 August 2020

11 January 2021

## Entry Requirements

- Undergraduate degree in

Computer Science, or relevant
Science, Math or Engineering
discipline, 2.75 GPA in math and technical courses.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

35 credit hour program
Computer Science degree holders: up to 9 credits apply from Pathway Non-Computer Science degree holders: 5-9 credit hours apply from Pathway
26-30 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| CS 692 | Computer Science Seminar | 1 |
| CS XXX | CS XXX | 4 |
| CS XXX | CS XXX | 4 |

Total 12
Notes
CS XXX: Students with a 4-year Computer Science degree will choose classes after consulting with the Graduate Program Director based on academic strength and interests. Students with a nonComputer Science degree will have classes determined upon arrival at CSU based on CS placement tests to determine level of competences Further information on the tests, syllabus, and evaluation will be provided with an offer.

* 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 - <br> 2 Semesters <br> 17 August 2020 <br> 11 January 2021 | Degree $\mathbf{P}$ <br> 35 credit hou Computer S Non-Compu Pathway 17-33 credit | Components <br> gram degree holders: up to 18 credits app cience degree holders: 2-18 credit hou <br> remaining toward degree | from Pathway apply from |
| :---: | :---: | :---: | :---: |
| Entry Requirements | Semester 1 | Course Title | Credit Hours |
| - Undergraduate degree in | EAP 150 | English for International Students ${ }^{*}$ | 6 |
| Science, Math or Engineering | CS 692 | Computer Science Seminar | 1 |
| discipline, 2.75 GPA in math and technical courses. | CS XXX | CS XXX | 4 |
|  | CS XXX | CS XXX | 4 |
| Language Requirements <br> -TOEFL 70 | Total 15 |  |  |
| - IELTS 6.0 | Semester 2 | Course Title | Credit Hours |
| - Password 6.5 | EAP 152 | English for International Graduate | 6 |
| - Completion of Academic English | Students* |  |  |
| Level 3 with a minimum of $75 \%$ in all graded courses | CS 692 | Computer Science Seminar | 1 |
|  | CS XXX | CS XXX | 4 |
| - IELA 169 <br> - or Duolingo 95. | CS XXX | CS XXX | 4 |
|  | Total 15 |  |  |

## Graduate Pathway in Design and Merchandising

## Program Length

## Accelerated-1 Semester

11 January 2021

Entry Requirements

- Undergraduate degree in Design
and Merchandising or related field
- 2.5 GPA.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- Duolingo 120.


## Degree Program Components

30 credit hour (minimum) degree program
$9-10$ credit hours apply from Pathway 20-21 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
|  | Choose 3 courses from core courses | $9-10$ |

Total 12-13

## Program Information

Progression Requirements - 3.0 CSU GPA

- Grade B or better in all classes - No unresolved W or I or U grades - Resume, Statement of purpose and 3 Recommendation letters required for grad file.


## Notes

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

Choose 3 courses from core courses: AM 321 Advanced Textiles (3 credits), AM 335 Textiles and Apparel Supply Chains (3 credits), AM 371 Merchandising Systems (4 credits), AM 375 Product Development II (3 credits), AM 430 International Retailing ( 3 credits), DM 540 Promotional Strategies in Merchandising (3 credits), DM 570 Creativity in Design ( 3 credits), DM 575 Human Factors in Design (3 credits)

## Graduate Pathway in Electrical Engineering - Control Systems

## Program Length

## Accelerated-1 Semester

## 17 August 2020

11 January 2021

Entry Requirements

- Undergraduate degree in Electrical Engineering, Computer
Engineering, Computer Science or closely related engineering discipline
- 2.5 GPA in math, sciences and technical courses.

Language Requirements
-TOEFL 79

- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English Level 3 with a minimum of $85 \%$ in all graded courses
- IELA 176
- or Duolingo 120.

| Program Length Standard - | D |
| :--- | :--- |
| 2 Semesters |  |
| 17 August 2020 | 30 |
| 11 January 2021 | 14 |
|  |  |

## Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 70
- IELTS 6.0
- PTEA 48
- Password 6.5
- Completion of Academic English

Level 3 with a minimum of $75 \%$ in all graded courses

- IELA 169
- or Duolingo 95.


## Degree Program Components

30 credit hour degree program
6-7 credit hours may apply from Pathway
23-24 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :---: |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| ECE 411 | Control Systems | 4 |
| ECE 455 | Introduction to Robot <br> Programming/Simulation | 3 |

## Total 10

## Program Information

Progression Requirements - 3.0 CSU GPA for ME; 3.2 CSU GPA for MS

- Grad of B or better in all classes - No unresolved W or I or U grades - Resume, Statement of Purpose and 3 Recommendation letters required.


## Notes

Spring 2-Semester Pathway students will complete their Pathway in the Fall. 500-600 level graduate credits and up to six credits of the ECE 400 level will apply toward the degree.

Spring start dates are available. Course may vary based on start date. Please see the website for more details.

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


## Graduate Pathway in Electrical Engineering - Semiconductor <br> Devices and Processing

## Program Length

Accelerated - 1 Semester
17 August 2020
11 January 2021

Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or closely related engineering
discipline

- 2.5 GPA in math, sciences and technical courses.

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

30 credit hour degree program
6-8 credit hours may apply from Pathway
22-24 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| ECE 404 | Experiments in Optical Electronics | 2 |
| ECE 441 | Optical Electronics | 3 |
| ECE 536 | RF Integrated Circuit Design | 3 |

## Total 11

## Program Length Standard -

## 2 Semesters

17 August 2020
11 January 2021

## Entry Requirements

- Undergraduate degree in

Electrical Engineering, Computer
Engineering, Computer Science or
closely related engineering
discipline

- 2.5 GPA in math, sciences and
technical courses.
Language Requirements
- TOEFL 70
- IELTS 6.0
- PTEA 48
- Password 6.5
- Completion of Academic English Level 3 with a minimum of $75 \%$ in all graded courses
- IELA 169
- or Duolingo 95.


## Degree Program Components

30 credit hour degree program
11 credit hours may apply from Pathway
20 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 150 | English for International Students I* | 6 |
| ECE 404 | Experiments in Optical Electronics | 2 |
| ECE 441 | Optical Electronics | 3 |
|  |  | Total |
| Semester 2 | Course Title | Credit Hours |
| EAP 152 | English for International Graduate | 6 |
| SCE 471A | Semiconductor Physics | 1 |
| ECE 471B | Semiconductor Junction | 1 |
| ECE 569 | Micro-Electro-Mechanical Devices | 3 |
| ECE 572 | Semiconductor Transistors | 1 |

Total 12

## Graduate Pathway in English - Teaching English as a Foreign/Second Language (TEFL/TESL)

## Program Length

Accelerated-1 Semester
17 August 2020

## Entry Requirements

- Undergraduate degree
comparable to a 4-year US
Bachelor's degree with 2.75 GPA.
Language Requirements
- TOEFL 75
- IELTS 6.5 (6.5 in Writing)
- PTEA 50
- Password 7
- Completion of Academic English Level 3 with a minimum of $85 \%$ in all graded courses
- IELA 176
- or Duolingo 120.


## Degree Program Components

33 credit hour degree program 6 credit hours apply from Pathway 27 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| E 514 | Phonology/Morphology - ESL/EFL | 3 |
| E 526 | Teaching English as a Foreign/ <br> Second Language | 3 |
|  | Tutoring on Study Skills | 0 |

Total 9

## Program Information

Progression Requirements -3.0 CSU GPA

- Grad of B or better in all classes - No unresolved W or I or U grades - Resume, Statement of Purpose and 3 Recommendation letters required.

Notes
The tutoring on Study Skills course is required.

500-600 level graduate credits will apply toward the degree.
Undergraduate credits do not count toward the degree; they serve as pre-degree foundation requirements.

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


## Graduate Pathway in Finance

## Program Length

Accelerated - 1 Semester
11 January 2021

Entry Requirements

- Undergraduate degree
comparable to a 4-year US
Bachelor's degree with 2.75 GPA
- Statistics or Calculus I or
equivalent undergraduate course
with a $B$ - or better equivalent grade
- Microeconomics

Language Requirements

- TOEFL 79
- IELTS 6.5
- PTEA 58
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

30 credit hour degree program 2 credit hours apply from the Pathway 28 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| AEEP <br> 8591/AEEP <br> 8592 | GMAT/GRE Test Preparation* | 0 |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| STAT OR MATH | Statistics or Calculus I | $3-4$ |
| BUS 640 | Financial Principles and Practice | 2 |
| BUS 300 | Business Communication Processes | 3 |

Total 11-12

## Program Information

Progression Requirements

- 3.0 CSU GPA
- 600 GMAT score or equivalent

GRE score

- Grade B or better in all classes
- No unresolved W or I or U grades - Resume, Statement of Purpose and 3 Recommendation letters required.

Notes
500-600 level graduate credits will apply toward the degree
Undergraduate credits do not count toward the degree; they serve as pre-degree foundation requirements.

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

| Program Length Standard 2 Semesters <br> 17 August 2020 | Degree Program Components <br> 30 credit hour degree program 2 credit hours apply from the Pathway 28 credit hours remaining toward degree |  |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - Undergraduate degree comparable to a 4-year US Bachelor's degree with 2.5 GPA - 1 Semester College Algebra or equivalent placement on the online proctored CSU Mathematics Placement Examination (MPE) which should be taken before arrival. | Semester 1 | Course Title | Credit Hours |
|  | AEEP <br> 8591/AEEP <br> 8592 | GMAT/GRE Test Preparation* | 0 |
|  | EAP 150 | English for International Students I* | 6 |
|  | ACT 205 | Fundamentals of Accounting | 3 |
|  | ECON 202 | Principles of Microeconomics | 3 |
|  | MATH 160 | Calculus for Physical Scientists I | 4 |
| Language Requirements <br> - TOEFL 70 | Total 16 |  |  |
| - IELTS 6.0 | Semester 2 | Course Title | Credit Hours |
| - PTEA 51 <br> - Password 6.5 <br> - Completion of Academic English | EAP 152 | English for International Graduate Students* | 6 |
| Level 3 with a minimum of $75 \%$ in | BUS 640 | Financial Principles and Practice | 2 |
| all graded courses <br> - IELA 169 | STAT 301 | Introduction to Statistical Methods | 3 |
| - or Duolingo 95. |  |  |  |

## Graduate Pathway in Greenhouse Gas Management and Accounting

## Program Length

## Accelerated-1 Semester

11 January 2021

## Entry Requirements

- Undergraduate degree
comparable to a 4-year US
Bachelor's degree with 2.75 GPA.
Language Requirements
- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

37 credit hour degree program
3 credit hours apply from Pathway
34 credit hours remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| AEEP 8591 | GRE Test Preparation* | 0 |
| EAP 153 | Writing for International Graduate <br> Students* $^{*}$ | 3 |
| ESS 330 | Quantitative Reasoning for Ecosystem <br> Science | 3 |
| $5 x x$ or $6 x x$ | Approved Graduate Credit Elective | 3 |

Total 9
Progression Requirements - 3.0 CSU GPA

- GRE score of 156 Verbal, 159 Quantitative, 4.5 Analytical Writing
- Grade of B or better in all classes
- No unresolved W or I or U grades
- Resume, Statement of Purpose and 3 Recommendation letters required.

Notes
500-600 level credits will apply toward the degree. Undergraduate credits do not count toward the degree; they serve as pre-degree foundation requirements.

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

| Program Length Standard - <br> 2 Semesters <br> 17 August 2020 | Degree Program Components <br> 37 credit hour degree program 6 credit hours apply from Pathway 31 credit hours remaining toward degree |  |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - Undergraduate degree comparable to a 4-year US <br> Bachelor's degree with 2.75 GPA. <br> Language Requirements <br> - TOEFL 70 <br> - IELTS 6.0 <br> - PTEA 48 <br> - Password 6.5 <br> - Completion of Academic English Level 3 with a minimum of $75 \%$ in all graded courses <br> - IELA 169 <br> - or Duolingo 95. | Semester 1 | Course Title | Credit Hours |
|  | AEEP 8591 | GRE Test Preparation* | 0 |
|  | EAP 150 | English for International Students I* | 6 |
|  | ESS 311 | Ecosystem Ecology | 3 |
|  | 5 xx or 6xx | Approved Graduate Credit Elective | 3 |
|  |  | Total |  |
|  | Semester 2 | Course Title | Credit Hours |
|  | EAP 152 | English for International Graduate Students* | 6 |
|  | 5 xx or 6xx | Approved Graduate Credit Elective | 3 |
|  | ESS 330 | Quantitative Reasoning for Ecosystem Science | 3 |

## Total 12

## Graduate Pathway in Impact MBA

## 2 Semesters <br> 17 August 2020

Entry Requirements

- Undergraduate degree comparable to a 4-year US Bachelor's degree with 2.75 GPA
- 2 years of post-graduate job experience preferred
- Résumé and cover letter
describing the student's passion for social entrepreneurship or socially conscious work.

Language Requirements

- TOEFL iBT 70
- IELTS 6.0
- PTEA 51
- Password 6.5
- Duolingo 95
- or Completion of Academic

English Level 3 with a minimum of $75 \%$ in all graded courses.

## Degree Program Components <br> 44 credit hour degree program 3 credit hours apply from the Pathway 41 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| AEEP | GMAT/GRE Test Preparation* | 0 |
| 8591/AEEP |  |  |
| 8592 |  | 6 |
| EAP 150 | English for International Students I* | 6 |
| ACT 205 | Fundamentals of Accounting | 3 |
| MGT 305 | Fundamentals of Management | 3 |
|  |  | Total |


| Semester 2 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 152 | English for International Graduate <br> Students* | 6 |
| BUS 300 | Business Communication Processes | 3 |
| CIS 600 | Information Technology \& Project <br> Management | 3 |
| FIN 305 | Fundamentals of Finance | 3 |

Total 15

## Program Information

Progression Requirements

- 3.25 CSU GPA
- 600 GMAT score or equivalent

GRE score

- Grade of "B" or better in all classes
- No unresolved "W" or "I" or "U" grades
- Résumé
- Statement of purpose
- 3 recommendation letters.

Notes
Program is capped at 40 students. 500-600 level graduate credits will apply toward the degree. Undergraduate credits do not count toward the degree; they serve as pre-degree foundation requirements.

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


## Program Length

Accelerated-1 Semester
11 January 2021

## Entry Requirements

- Undergraduate degree comparable to a 4-year US
Bachelor's degree with 2.75 GPA
- 2 years of post-graduate job experience preferred
- Résumé and cover letter describing the student's passion for social entrepreneurship or socially conscious work
Language Requirements
- TOEFL 79
- IELTS 6.5
- PTEA 58
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

44 credit hour degree program
3 credit hours apply from Pathway
41 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| AEEP 8591/2 | GMAT/GRE Test Preparation* | 0 |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| BUS 300 | Business Communication Processes | 3 |
| ACT 205 | Fundamentals of Accounting | 3 |
| CIS 600 | Information Technology and Project <br> Management | 3 |

Total 12

## Graduate Pathway in Languages, Literatures and Cultures Spanish

## Program Length

Accelerated-1 Semester
17 August 2020
11 January 2021

11 January 2021

## Entry Requirements

- Undergraduate degree
comparable to a 4-year US
Bachelor's degree with 2.75 GPA
- Statement of purpose in Spanish
- Biographical statement in English.


## Language Requirements

- TOEFL 79
- IELTS 6.5 (6.5 in Writing)
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

34 credit hour degree program
6-7 credit hours apply from Pathway
27-28 credit hours remaining toward degree

| Semester 1 | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 153 | Writing for International Graduate <br> Students* | 3 |
| LGEN 510 | Research Methods | 1 |
| LSPA 500 | Language Analysis/Stylistics-Spanish | 3 |
| LGEN 516 | Theory/Methods-Foreign Language <br> Instruction | 3 |

Total 10

## Program Information

Progression Requirements -3.0 CSU GPA

- Grade B or better in all classes - No unresolved W or I or U grades - Resume, Statement of purpose and 3 Recommendation letters required for grad file
-Writing sample in Spanish.

Notes
Spring 2-Semester Pathway students will complete Pathway in the Fall. 500-600 level credits will apply toward degree
Undergraduate credits do not count toward degree; they serve as predegree foundation requirements.

Spring start dates are available. Course may vary based on start date. Please see the website for more details.

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

| Program Length Standard - <br> 2 Semesters <br> 17 August 2020 <br> 11 January 2021 | Degree Prog <br> 34 credit hour <br> 7-10 credit hou <br> 24-27 credit ho | Components <br> gree program apply from Pathway remaining toward degree |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements | Semester 1 | Course Title | Credit Hours |
| - Undergraduate degree comparable to a 4-year US | EAP 150 | English for International Students I* | 6 |
| Bachelor's degree with 2.75 GPA | LGEN 510 | Research Methods | 1 |
| - Statement of purpose in Spanish <br> - Biographical statement in English. | LSPA 500 | Language Analysis/Stylistics-Spanish | 3 |
|  | Total 10 |  |  |
| Language Requirements <br> - TOEFL 70 | Semester 2 | Course Title | Credit Hours |
| - IELTS 6.0 | EAP 152 | English for International Graduate | 6 |
| - PTEA 48 |  | Students* |  |
| - Password 6.5 | LGEN 530 | Literary and Cultural Theory | 3 |
| Level 3 with a minimum of $75 \%$ in all graded courses <br> - IELA 169 <br> - or Duolingo 95. | LSPA 536/692 | Topics in Spanish Linguistics OR Seminar-Spanish | 3 |

## Graduate Pathway in Mathematics



## Total 12

## Graduate Pathway in Mechanical Engineering



## Graduate Pathway in Tourism Management

## Program Length

Accelerated-1 Semester
11 January 2021

Entry Requirements

- Undergraduate degree
comparable to a 4-year US
Bachelor's degree with 2.75 GPA.
Language Requirements
- TOEFL 79
- IELTS 6.5
- PTEA 52
- Password 7
- Completion of Academic English

Level 3 with a minimum of $85 \%$ in
all graded courses

- IELA 176
- or Duolingo 120.


## Degree Program Components

30 credit hour degree program 4 credit hours apply from Pathway 26 credit hours remaining toward degree

| Semester $\mathbf{1}$ | Course Title | Credit Hours |
| :--- | :--- | :--- |
| EAP 152 | English for International Graduate <br> Students* | 6 |
| NRRT 470 | Tourism Impacts | 3 |
| NRRT 671 | Strategic Management for Travel and <br> Tourism | 2 |
| NRRT 625 | Communication and Conflict <br> Management in Tourism | 2 |

Total 13

## Program Information

Progression Requirements - 3.0 CSU GPA

- Grade B or better in all classes
- No unresolved W or I or U grades
- Resume, Statement of Purpose and 3 Recommendation letters required.

Notes
500-600 level graduate credits will apply toward the degree. Undergraduate credits do not count toward the degree; they serve as pre-degree foundation requirements.

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

| Program Length Standard - <br> 2 Semesters <br> 17 August 2020 | Degree Program Components <br> 30 credit hour degree program 8 credit hours apply from Pathway 22 credit hours remaining toward degree |  |  |
| :---: | :---: | :---: | :---: |
| Entry Requirements <br> - Undergraduate degree comparable to a 4-year US Bachelor's degree with 2.75 GPA. <br> Language Requirements <br> - TOEFL 70 <br> - IELTS 6.0 <br> - PTEA 48 <br> - Password 6.5 <br> - Completion of Academic English Level 3 with a minimum of $75 \%$ in all graded courses <br> - IELA 169 <br> - or Duolingo 95. | Semester 1 | Course Title | Credit Hours |
|  | EAP 150 | English for International Students I* | 6 |
|  | NRRT 372 | Tourism Promotion | 3 |
|  | NRRT 600 | Tourism Industry Concepts and Practices | 2 |
|  | NRRT 610 | Natural Resource Management and Tourism | 2 |
|  |  | Tot | 13 |
|  | Semester 2 | Course Title | Credit Hours |
|  | EAP 152 | English for International Graduate Students* | 6 |
|  | NRRT 470 | Tourism Impacts | 3 |
|  | NRRT 671 | Strategic Management for Travel and Tourism | 2 |
|  | NRRT 625 | Communication and Conflict Management in Tourism | 2 |

## Graduate Pathway in Extension Education

Program Length
Standard - 2 Semester
17 August 2020

Entry Requirements

- Undergraduate degree
comparable to a 4-year US
Bachelor's degree with 2.75 GPA.
Language Requirements
- TOEFL 76
- IELTS 6.0
- PTEA 51
- Password 6.5
- Completion of Academic English
Level 3 with a minimum of $85 \%$ in
all graded courses
- IELA 169
- or Duolingo 95 .
Degree Program Components
37 credit hour degree program
13 credit hours apply from Pathway
24 credit hours remaining toward degree



[^0]:    Total 12

