



## Program Matrix

|                   |                                |
|-------------------|--------------------------------|
| Program           | Centre for Preparatory Studies |
| Credit Unit/Hours | 0 Credit Unit/Credit Hours     |
| Academic Year     | 2026/2027 Onwards              |

| Program     | Semester 1  |                          |               |                   | Semester 2  |                          |               |                   | Semester 3  |                          |               |                   |
|-------------|-------------|--------------------------|---------------|-------------------|-------------|--------------------------|---------------|-------------------|-------------|--------------------------|---------------|-------------------|
|             | Course Code | Course Name              | Pre-requisite | Credit Unit /Hour | Course Code | Course Name              | Pre-requisite | Credit Unit /Hour | Course Code | Course Name              | Pre-requisite | Credit Unit /Hour |
| English     | ELEM        | English Elementary       | None          | 0                 | ELEM        | English Elementary       | None          | 0                 | ELEM        | English Elementary       | None          | 0                 |
|             | PREINT      | English Pre-Intermediate | ELEM          | 0                 | PREINT      | English Pre-Intermediate | ELEM          | 0                 | PREINT      | English Pre-Intermediate | ELEM          | 0                 |
|             | INTER       | English Intermediate     | PREINT        | 0                 | INTER       | English Intermediate     | PREINT        | 0                 | INTER       | English Intermediate     | PREINT        | 0                 |
| Computing   | IC3M1       | Key Applications         | None          | 0                 | IC3M1       | Key Applications         | None          | 0                 | IC3M1       | Key Applications         | None          | 0                 |
|             | IC3M2       | Computing Fundamentals   | IC3M1         | 0                 | IC3M2       | Computing Fundamentals   | IC3M1         | 0                 | IC3M2       | Computing Fundamentals   | IC3M1         | 0                 |
| Mathematics | SET 1       | Basic Mathematics        | None          | 0                 | SET 1       | Basic Mathematics        | None          | 0                 | SET 1       | Basic Mathematics        | None          | 0                 |
|             | SET 2       | Applied Mathematics      | SET 1         | 0                 | SET 2       | Applied Mathematics      | SET 1         | 0                 | SET 2       | Applied Mathematics      | SET 1         | 0                 |
|             | SET 3       | Pure Mathematics         | SET 1         | 0                 | SET 3       | Pure Mathematics         | SET 1         | 0                 | SET 3       | Pure Mathematics         | SET 1         | 0                 |

| English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Course Requirement     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <b>ELEM:</b><br>Elementary course is a 13-week (12 teaching weeks plus 1 week for final exams) integrated general English skills course, designed for students who require extensive preparation and exposure to various components of the language, with strong emphasis on developing basic grammar, reading, and writing skills. Students will develop skills, knowledge, and strategies required to begin to communicate in English independently, and that will prepare them to proceed to the Pre-Intermediate level. | University Requirement |
| <b>PREINT:</b><br>Pre-Intermediate course is a 13-week (12 teaching weeks plus 1 week for final exams) integrated general English skills course that will equip students with the skills, knowledge, and strategies required to begin to communicate in English independently through development of all language skills in the context of more advanced materials and tasks, and will prepare them to proceed to the Intermediate level.                                                                                   | University Requirement |
| <b>INTER:</b><br>Intermediate course is a 13-week (12 teaching weeks plus 1 week for final exams) academic English course focusing on reading, writing, listening, speaking, and critical thinking. It also gives students an opportunity to develop their academic communication skills, which include elements of research-based skills such as note-taking, paraphrasing, citations, and referencing, which are necessary for faculty studies.                                                                           | University Requirement |
| Computing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Course Requirement     |
| <b>IC3M1:</b><br>This course is designed to provide students with the required knowledge and skills for using Office applications to deal with daily office tasks. This includes creating files with different contents and formatting using Microsoft Word, Microsoft Excel, and Microsoft PowerPoint.                                                                                                                                                                                                                     | University Requirement |
| <b>IC3M2:</b><br>This course is designed to provide students with the required knowledge and skills on how the computer works and how to use it in terms of hardware, software, network, using the internet, and email.                                                                                                                                                                                                                                                                                                     | University Requirement |

| Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Course Requirement     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| <p><b>SET 1:</b></p> <p>SET 1 is the first part of the mathematics study at the foundation level for all students who have already passed the Higher Secondary level. Students who successfully pass SET 1 can study the next level of Mathematics in CPS, either SET 2 or SET 3, which depends on their future choice in the faculties. The course is necessary to ensure that CPS students are equipped with the Basic Mathematics knowledge needed to continue studying Mathematics courses in SET 2 or SET 3. The course covers a number of topics that are fundamentals of Mathematics, such as Numbers, Exponents, Fractions, Ratios, Algebra, Trigonometry, etc. The course is delivered in English, which is the official teaching language. Students are not allowed to use scientific calculators when they study SET 1</p>                                  | University Requirement |
| <p><b>SET 2:</b></p> <p>SET2 is the second part of the mathematics study at the foundation level for students who have already passed SET1 and intend to pursue Business or Humanities studies. Students who successfully pass SET2 can study the next level of Mathematics in the faculty they will join. The course is necessary to ensure that CPS students are equipped with the mathematics knowledge needed to continue studying Mathematics courses in the faculties of Business or Humanities. The course covers a number of topics that are more advanced than SET1 topics, such as functions and their graphs, descriptive statistics, probability, simple and compound interest, logarithms, etc. The course is delivered in English, which is the official teaching language. Students are allowed to use scientific calculators when they study SET2.</p> | University Requirement |
| <p><b>SET 3:</b></p> <p>SET3 is the second part of the mathematics study in the foundation level for students who have already passed SET1 and intend to pursue FCIT or Engineering studies. Students who successfully pass SET3 can study the next level of Mathematics in the faculty they will join. The course is essential to CPS students because the topics and the outcomes are the necessary Mathematics knowledge needed to continue studying Mathematics courses in the faculties of FCIT or Engineering. The course covers a number of topics that are more advanced than SET1 topics, such as functions and their graphs, Trigonometry, logarithms, descriptive statistics, etc. The course is delivered in English, which is the official teaching language. Students are allowed to use scientific calculators when they study SET3.</p>                | University Requirement |