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| Use case identification and history. | | | |  |
| Use-case ID | SelectCoursesForPathway01 | | | |
| Use-case name | Select courses for pathway | Version number: | | 1 |
| Brief description | This use case allows the actor (Student) to choose the relevant courses related to their program based on the mandatory step of filling out the form (ID: FillInForm01). After the actor selects their courses, they can generate a pathway based on their selection. | | | |
| Created by | Victor Chua Jia Zhi | | Date: | 04/11/2023 |
| Primary actor: | Actor (Student) | | | |
| Secondary actor: | NIL | | | |
| Include Use-case | NIL | | | |
| Extend Use-case | NIL | | | |

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| Pre-conditions |
| 1. The actor must be logged in. 2. Mandatory step of completing the use case “FillInForm” (ID: FillInForm01) first. |
| Post-conditions |
| 1. The actor can proceed to the following use case, which allows them to view their pathway in a dashboard style. |

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| Main flow | |
| Student | System |
| 1. Actor came from the use case “Fill in form” (ID: FillInForm01) | 1. The system displays a list of major and elective courses for selection based on the information provided by the actor |
|  | 1. The system automatically fills in the core courses required to graduate |
| 1. Actor selects the courses |  |
| 1. Actor selects “Generate Path” | 1. The system validates the selection, ensuring no empty selection and the minimum course requirements are met. |
|  | 1. The system identifies no errors and proceeds to generate a pathway. |
|  | 1. The system saves the customised pathway and redirects the actor to the following use case “View Dashboard” (ID: ViewDashboard01) |

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| Alternate Flow |
| **7.** The system identifies an empty selection or the unmet course requirements and informs the actor.  7.1 Revert to main flow step 4. |