PRE-REQUISITE COURSES:

Pre-requisite courses will be applied to all students enrolled in the department during and after the fall semester of 2017-2018 academic year. The Student Affairs System will check whether or not the pre-requisites for the added course are met for these students.

The curriculum without pre-requisite will be applied for students enrolled before the 2017-2018 academic year.

The pre-requisite course list is as follows:

Pre-requisite Courses List	
Course	**Prerequisites**
BBM102 Introduction to Programming II	BBM101 Introduction to Programming I BBM103 Introduction to Programming Laboratory I
BBM104 Introduction to Programming Laboratory II	BBM101 Introduction to Programming I BBM103 Introduction to Programming Laboratory I
BBM201 Data Structures	BBM101 Introduction to Programming I BBM103 Introduction to Programming Laboratory I
BBM203 Software Laboratory I	BBM101 Introduction to Programming I BBM103 Introduction to Programming Laboratory I
BBM202 Algorithms	BBM201 Data Structures BBM203 Software Laboratory I
BBM204 Software Laboratory II	BBM201 Data Structures BBM203 Software Laboratory I
BBM234 Computer Organization	BBM231 Logic Design BBM233 Logic Design Lab.
All must and technical elective courses having BBM3xx and BBM4xx codes	BBM102 Introduction to Programming II BBM104 Introduction to Programming Laboratory II
BBM 480 Design Project II	BBM 479 Design Project I
BBM 421 Game Technologies	BBM102 Introduction to Programming II BBM104 Introduction to Programming Laboratory II BBM 412 Computer Graphics
BBM 423 Game Technologies Laboratory	BBM102 Introduction to Programming II BBM104 Introduction to Programming Laboratory II BBM 412 Computer Graphics

COURSES MUST BE TAKEN SIMULTANEOUSLY:

As of the fall semester of 2017-2018 academic year, simultaneous courses will be applied for all students. Simultaneous courses are required to be taken together in the same semester. A student must take a course simultaneously during the course registration period.

If the student has already passed one of the simultaneous courses, he/she can take the other course alone. For example, if a student has already passed the BBM 451 Computer Networks course, he/she can enroll in BBM 453 alone.

Courses must be taken simultaneously list is as follows:

Simultaneous Course List	
BBM 101 Introduction to Programming I	BBM103 Introduction to Programming Lab. I
BBM 102 Introduction to Programming II	BBM104 Introduction to Programming Lab. II
BBM 201 Data Structures	BBM203 Software Laboratory I
BBM 202 Algorithms	BBM204 Software Laboratory II
BBM 231 Logic Design	BBM233 Logic Design Laboratory
BBM 382 Software Engineering	BBM 384 Software Engineering Laboratory
BBM 406 Fundamentals of Machine Learning	BBM 409 Machine Learning Lab.
BBM 412 Computer Graphics	BBM 414 Computer Graphics Lab.
BBM 413 Fundamentals of Image Processing	BBM 415 Image Processing Lab.
BBM 416 Fundamentals of Computer Vision	BBM 418 Computer Vision Lab.
BBM 421 Game Technologies	BBM 423 Game Technologies Lab.
BBM 422 Mobile Computing	BBM 424 Mobile Computing Lab.
BBM 432 Embedded Systems	BBM 434 Embedded Systems Lab.
BBM 433 Microprocessors	BBM 436 Microprocessors Lab.
BBM 451 Computer Networks	BBM 453 Computer Networks Lab.
BBM 461 Secure Programming	BBM 459 Secure Programming Lab.
BBM 463 Information Security	BBM 465 Information Security Lab.
BBM 467 Data Intensive Applications	BBM 469 Data Intensive Applications Lab.
BBM 471 Database Management Systems	BBM 473 Database Laboratory
BBM 472 Geographic Information Systems	BBM 474 Geographic Information Systems Lab.
BBM 481 Software Development	BBM 483 Software Development Lab.
BBM 482 Software Quality Assurance	BBM 484 Software Quality Assurance Lab.
BBM 490 Fundamentals of Web Architecture	BBM 488 Web Services Laboratory
BBM 491 Personal Software Process	BBM 493 Personal Software Process Lab.
BBM 492 Team Software Process	BBM 494 Team Software Process Lab.
BBM 495 Introduction to Natural Language Processing	BBM 497 Introduction to Natural Language Processing Lab.