

Education Plan

Bachelor of Science Program in Information and Communication Technology

Program Adjustment 2017

1st year

1st Semester

	Credits (T-P-S)
322-101 Calculus I	3(3-0-6)
324-101 General Chemistry I	3(3-0-6)
325-101 General Chemistry Laboratory I	1(0-3-0)
332-101 Fundamental Physics I	3(3-0-6)
332-111 Fundamental Physics Laboratory I	1(0-2-1)
xxx-xxx Select Courses Humanities and Social Sciences	3(x-y-z)
xxx-xxx Free Elective Courses	3(x-y-z)
Sum	17(x-y-z)

2nd Semester

	Credits (T-P-S)
308-101 Fundamentals of Information and Communication Technology	2(1-2-3)
308-121 Visual Arts and Design I	2(1-2-3)
322-102 Calculus II	3(3-0-6)
890-101 Fundamental English Listening and Speaking	3(2-2-5)
895-xxx Course of physical education or recreation	1(x-y-z)
xxx-xxx Select Courses Humanities and Social Sciences	3(x-y-z)
xxx-xxx Elective Language Courses	3(x-y-z)
Sum	17(x-y-z)

2nd year

1st Semester

	Credits (T-P-S)
308-221 Visual Arts and Design II	2(1-2-3)
308-231 Structured Programming and Applications	3(2-2-5)
308-241 Computer System Organization and Architecture	3(2-2-5)
330-101 Principles of Biology I	3(3-0-6)
331-101 Principles of Biology Laboratory I	1(0-3-0)
890-102 Fundamental English Reading and Writing	3(3-0-6)
xxx-xxx Select Elective Courses Humanities and Social Sciences	2(x-y-z)
Sum	17(x-y-z)

2nd Semester

	Credits (T-P-S)
308-222 Information and Communication Technology Integrated Laboratory	1(0-2-1)
308-232 Web Development and Design	3(2-2-5)
308-233 Algorithm and Data Structure	3(2-2-5)
308-242 Operating Systems	3(2-2-5)
315-101 Co-Curricular Activities I	1(0-0-3)
347-201 Basic Statistics	3(2-2-5)
308-xxx Elective Courses	3(x-y-z)
xxx-xxx Select Elective Courses Science and Mathematics	3(x-y-z)
Sum	20(x-y-z)

3rd year

1st Semester

	Credits (T-P-S)
308-301 Introduction to Research Methodology	2(2-0-4)
308-311 Information Systems Analysis and Design	3(2-2-5)
308-321 Database Management Systems	3(2-2-5)
308-323 Seminar in Information and Communication Technology	1(1-0-2)
308-331 Object-Oriented Programming and Applications	3(2-2-5)
308-341 Computer Network Systems	3(2-2-5)
xxx-xxx Select Courses Science and Mathematics	3(x-y-z)
Sum	18(x-y-z)

2nd Semester

	Credits (T-P-S)
308-312 Accounting Information System	3(2-2-5)
308-322 Project in Information and Communication Technology I	2(0-6-0)
308-324 Principles of Human Interactions with Computer	3(2-2-5)
308-xxx Elective Courses	3(x-y-z)
xxx-xxx Elective Language Courses	3(x-y-z)
xxx-xxx Select Elective Courses Humanities and Social Sciences	2(x-y-z)
Sum	16(x-y-z)

4th year

The 1st Non-Cooperative Education

1st Semester

	Credits (T-P-S)
308-422 Project in Information and Communication Technology II	3(0-9-0)
308-xxx Elective Courses	6(x-y-z)
xxx-xxx Free Elective Courses	3(x-y-z)
Sum	12(x-y-z)

2nd Semester

	Credits (T-P-S)
308-411 Innovation Management	3(2-2-5)
308-412 Management of Information Technology in Organization	2(2-0-4)
308-421 Applications of Information and Communication Technology for Professions	1(0-2-1)
308-xxx Elective Courses	6(x-y-z)
Sum	12(x-y-z)

4th year

The 2nd Cooperative Education

1st Semester

	Credits (T-P-S)
308-497 Cooperative Education	6(0-18-0)
Sum	6(0-18-0)

2nd Semester

	Credits (T-P-S)
308-411 Innovation Management	3(2-2-5)
308-412 Management of Information Technology in Organization	2(2-0-4)
308-421 Applications of Information and Communication Technology for Professions	1(0-2-1)
308-422 Project in Information and Communication Technology II	3(0-9-0)
308-xxx Elective Courses	6(x-y-z)
xxx-xxx Free Elective Courses	3(x-y-z)
Sum	18(x-y-z)

4th year
The 3rd entrepreneurs

1st Semester

	Credits (T-P-S)
308-491 Management for Entrepreneurship	2(2-0-4)
308-492 Supply Chain Management	2(2-0-4)
308-493 Development of Modern Products and Services	2(2-0-4)
308-494 Innovative Business Plan Project	1(0-2-1)
308-xxx Elective Courses	3(x-y-z)
Sum	10(x-y-z)

2nd Semester

	Credits (T-P-S)
308-411 Innovation Management	3(2-2-5)
308-412 Management of Information Technology in Organization	2(2-0-4)
308-421 Applications of Information and Communication Technology for Professions	1(0-2-0)
308-422 Project in Information and Communication Technology II	3(0-9-0)
308-495 Strategic Management and Business Control	2(2-0-4)
xxx-xxx Free Elective Courses	3(x-y-z)
Sum	14(x-y-z)

Note:

T = Theory hours (Lecture)

P = Practice hours (Laboratory)

S = Self-study hours