

IPSE UG Students Enrolled in Fall 2015 through 2017

Summary Table of Changes in IPSE Group C Courses Offered by Dept. of Communications & Computer Engineering, School of Fundamental Sci. & Eng.

For Fall 2020 course registration periods

* You need to earn credits of Group C courses provided as "required", "elective required" or "elective" for your enrollment year. Please refer to column [A] here below **according to your enrollment year**. Also check the relevant pages of your enrollment year's Handbook.

[A]	Number of credits	Number of class hours per week (* a 90-minute long class (per week) is shown as 2 (hours) in the table below)								Current Course Availability by Your Enrollment Year	Note
Curriculum for Students Enrolled in Fall 2015/ 2016/2017		First year		Second year		Third year		Fourth year		O: available X: not available *: conditionally available (see Note section)	
		Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	For students enrolled in Fall 2015/ 2016/2017	
Research Project B	4						2			O (required)	* Not available for spring 2017
Research Project C	4							4		O (required)	* Not available for spring 2017
Circuit Theory A >Circuit Theory A	2 +			2 first-half						O (elective required)	* this course is divided into Circuit Theory A and Circuit Theory B from 2019.
Circuit Theory A >Circuit Theory B	2 +			2 second-half						O (elective required)	
Logic Circuits	2			2						O (elective required)	
Fundamentals of Programming	2				4 first-half					O (elective required)	*CHANGED TO spring semester of 2nd year.
Algorithms and Data Structures	2				2					O (elective required)	
Computer Systems	2			2	2					O (elective required)	*CHANGED TO fall semester of 2nd year.
Signal Processing	2					2				O (elective required)	

[A]	Number of credits	Number of class hours per week (* a 90-minute long class (per week) is shown as 2 (hours) in the table below)								Current Course Availability by Your Enrollment Year	Note
Curriculum for Students Enrolled in Fall 2015/ 2016/2017		First year		Second year		Third year		Fourth year		O: available X: not available *: conditionally available (see Note section)	
		Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	For students enrolled in Fall 2015/ 2016/2017	
Communications and Computer Engineering Laboratory	2					4				O (elective required)	
Information Network Systems	2					2				O (elective required)	
Research Project A	2					2				O (elective required)	
Teletraffic Theory	2					2				O (elective required)	
Transmission Theory	2								2	O (elective required)	* Not available for spring 2017 * Course cancelled in 2020.
Research Project D	2								2	O (elective required)	* Not available for spring 2017
Electronic Circuits	2					2				O (elective)	* Course cancelled in 2020.
Communication Systems	2					2				O (elective)	* Not available for Fall 2018 * Course cancelled in 2019.
Software Engineering	2					2				O (elective)	
Info-Telecommunication and the Standardization	2					2				O (elective)	
Information Theory	2								2 Intensive	O (elective)	* originally allocated to the first half of spring semester of 3rd year, but from spring 2017, CHANGED TO spring semester of 3rd year as an Intensive course. * Not available for spring 2017. * Changed to spring semester of 3rd year.

[A]	Number of credits	Number of class hours per week (* a 90-minute long class (per week) is shown as 2 (hours) in the table below)								Current Course Availability by Your Enrollment Year	Note
Curriculum for Students Enrolled in Fall 2015/ 2016/2017		First year		Second year		Third year		Fourth year		O: available X: not available *: conditionally available (see Note section)	
		Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	For students enrolled in Fall 2015/ 2016/2017	
Electrodynamics	2						2			O (elective)	* originally allocated to spring semester of 2nd year, but from spring 2017, CHANGED TO spring semester of 3rd year. * Not available for spring 2017
Information Security Basics	2						2			O (elective)	* Not available for spring 2017 * Course cancelled in 2019.
Wireless Communication	2						2			O (elective)	* Not available for spring 2017
Multimedia Systems	2						2			O (elective)	* Not available for spring 2017
Mobile Communications	2						2			O (elective)	* Not available for spring 2017 * Course cancelled in 2020.
Operating Systems	2						2			O (elective)	* Not available for spring 2017
Introduction to Computer Graphics and Image Processing	2						2			O (elective)	* Course cancelled.
Image Engineering Fundamentals	2						2			O (elective)	* Not available for spring 2017
Network Engineering	2							2		O (elective)	* Not available for spring 2017
Information Retrieval	2							2		O (elective)	* Not available for spring 2017
Advanced Intelligent Software	2							2		O (elective)	* Not available for spring 2017

[A]	Number of credits	Number of class hours per week (* a 90-minute long class (per week) is shown as 2 (hours) in the table below)								Current Course Availability by Your Enrollment Year	Note
Curriculum for Students Enrolled in Fall 2015/ 2016/2017		First year		Second year		Third year		Fourth year		O: available X: not available *: conditionally available (see Note section)	
		Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	For students enrolled in Fall 2015/ 2016/2017	
Cloud Systems	2	2						2		O (elective)	* Not available for spring 2017
Advanced Wireless Access	2	2						2		O (elective)	* Not available for spring 2017
Algorithms in Computational Biology	2	2						2		O (elective)	* Not available for spring 2017
Perceptual Computing	2	2						2		O (elective)	* Not available for spring 2017
Wireless Communications Network	2	2						2		O (elective)	* Not available for spring 2017 * Not available for fall 2020
Digital Imaging	2							2		O (elective)	* Not available for spring 2017 * Course cancelled.
Analysis of Networked Systems	2	2						2		O (elective)	* Not available for spring 2017
Digital System Design	2	2						4 second- half		O (elective)	* Not available for spring 2017
Image Processing	2								2	O (elective)	* Not available for spring 2017
Information Integration of Symbols and Patterns	2								2	O (elective)	* Not available for spring 2017 * Course cancelled.
Distributed Embedded and Real-Time Processing	2							2		O (elective)	* Not available for spring 2017 CHANGED TO fall semester of 4th year.
Business and Global Standardization	2								2	O (elective)	* Not available for spring 2017

[A]	Number of credits	Number of class hours per week (* a 90-minute long class (per week) is shown as 2 (hours) in the table below)								Current Course Availability by Your Enrollment Year	Note
Curriculum for Students Enrolled in Fall 2015/ 2016/2017		First year		Second year		Third year		Fourth year		O: available X: not available *: conditionally available (see Note section)	
		Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	Fall sem.	Spring sem.	For students enrolled in Fall 2015/ 2016/2017	
Advanced Image Information	2								2	O (elective)	* Not available for spring 2017
Advanced Information Networks	2								2	O (elective)	* Not available for spring 2017 * Course cancelled.
Reliable Software	2								2	O (elective)	* Not available for spring 2017
Advanced Computer Architecture	2								2	O (elective)	* Not available for spring 2017 * Not available for spring 2019 * Not available for spring 2020
> Advanced Processor Architecture Technology	2								2	O (elective)	* course name will be changed from spring 2017.
Wireless Signal Processing	2								2	O (elective)	* Not available for spring 2017
Software Quality Assurance	2								2	O (elective)	* Not available for spring 2017
Computer Vision and Pattern Analysis	2								2	O (elective)	* Not available for spring 2017
Foundation for Information Access Evaluation	2								2	O (elective)	* Not available for spring 2017 * Not available for spring 2020
Pattern Recognition and Machine Learning	2								2	O (elective)	* Not available for spring 2017
Data Mining	2								2	O (elective)	* new course is available from spring 2017; allocated to 4th year * Not available for spring 2017
Design and Implementation of Programming Languages	2								2	O (elective)	* new course is available from fall 2017; allocated to 4th year
Wireless Signal Processing	2								2	O (elective)	* new course is available from spring 2019; allocated to 4th year