

Recommended pass through the study plan

Name of the pass: Branch Communications and Signal Processing - Passage through study

Faculty/Institute/Others: Faculty of Electrical Engineering

Department:

Pass through the study plan: Otevřeně elektronické systémy - Komunikace a zpracování signálu

Branch of study guaranteed by the department: Welcome page

Guarantor of the study branch:

Program of study: Open Electronic Systems

Type of study: Follow-up master full-time

Note on the pass:

Coding of roles of courses and groups of courses:

P - compulsory courses of the program, PO - compulsory courses of the branch, Z - compulsory courses, S - compulsory elective courses, PV - compulsory elective courses, F - elective specialized courses, V - elective courses, T - physical training courses

Coding of ways of completion of courses (KZ/Z/ZK) and coding of semesters (Z/L):

KZ - graded assesment, Z - assesment, ZK - examination, L - summer semester, Z - winter semester

Number of semester: 1

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) <i>Tutors, authors and guarantors (gar.)</i>	Completion	Credits	Scope	Semester	Role
BEZM	Safety in Electrical Engineering for a master's degree <i>Vladimír K la, Radek Havlí ek, Ivana Nová, Josef ernohous, Pavel Mlejnek Radek Havlí ek Vladimír K la (Gar.)</i>	Z	0	2BP+2BC	Z	P
A8M01ADP	Algorithms for Distributed and Parallel Systems	Z,ZK	5	3P+1S	Z	PO
A8M37WDC	Wireless Digital Communications	Z,ZK	5	4P+0C	Z	PO
A8M32NOP	Network Optimization	Z,ZK	5	4P + 0C	Z	PO
A8M32AQT	Applied Queueing Theory	Z,ZK	6	3P + 1C	Z	PO
MOESVOL	Volitelné p edm ty	Min. cours. 0	Min/Max 0/999			V

Number of semester: 2

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) <i>Tutors, authors and guarantors (gar.)</i>	Completion	Credits	Scope	Semester	Role
A8M37CDC	Coding in Digital Dommunications	Z,ZK	5	4P+0C	L	PO
A8M37CSL	Communications and Signal Processing Laboratory	Z	2	0P+2C	L	PO
A8M31APS	Audio processing and source coding	Z,ZK	5	4P	L	PO
MOESH	Humanitní p edm ty <i>B0M16FI2,B0M16HT2,..... (see the list of groups below)</i>	Min. cours. 1	Min/Max 4/20			V
MOESVOL	Volitelné p edm ty	Min. cours. 0	Min/Max 0/999			V

Number of semester: 3

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) <i>Tutors, authors and guarantors (gar.)</i>	Completion	Credits	Scope	Semester	Role
A8M32AVL	Audio-Video Processing Lab	Z	2	0P + 2L	Z	PO
A8M37RSY	Radio Systems	Z,ZK	5	4P+0L	Z	PO
A8M32VPS	Video processing and source coding	Z,ZK	5	4P + 0C	Z	PO
MOESVOL	Volitelné p edm ty	Min. cours. 0	Min/Max 0/999			V

Number of semester: 4

Code	Name of the course / Name of the group of courses (in case of groups of courses the list of codes of their members) <i>Tutors, authors and guarantors (gar.)</i>	Completion	Credits	Scope	Semester	Role
ADIP25	Diploma Thesis	Z	25	36s	L	P
MOESVOL	Volitelné p edm ty	Min. cours. 0	Min/Max 0/999			V

List of groups of courses of this pass with the complete content of members of individual groups

Kód	Name of the group of courses and codes of members of this group (for specification see here or below the list of courses)	Completion	Credits	Scope	Semester	Role
MOESH	Humanitní p edm ty	Min. cours. 1	Min/Max 4/20			V
B0M16FI2	Philosophy 2	B0M16HT2	History of science and technolog ...	B0M16HSD	History of economy and social st ...	
B0M16MPS	Psychology	B0M16TE1	Theology			
MOESVOL	Volitelné p edm ty	Min. cours. 0	Min/Max 0/999			V

List of courses of this pass:

Code	Name of the course	Completion	Credits
A8M01ADP	Algorithms for Distributed and Parallel Systems	Z,ZK	5
A8M31APS	Audio processing and source coding	Z,ZK	5
A8M32AQT	Applied Queueing Theory	Z,ZK	6
A8M32AVL	Audio-Video Processing Lab	Z	2
A8M32NOP	Network Optimization	Z,ZK	5
A8M32VPS	Video processing and source coding	Z,ZK	5
A8M37CDC	Coding in Digital Dommunications	Z,ZK	5
A8M37CSL	Communications and Signal Processing Laboratory	Z	2
A8M37RSY	Radio Systems	Z,ZK	5
A8M37WDC	Wireless Digital Communications	Z,ZK	5
ADIP25	Diploma Thesis	Z	25
Independent final comprehensive work for the Master's degree study programme. A student will choose a topic from a range of topics related to his or her branch of study, which will be specified by branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comprehensive final examination.			
B0M16FI2	Philosophy 2 The course is oriented on the transdisciplinary aspects of philosophy, informatics, physics, mathematics and biology.	Z,ZK	4
B0M16HSD	History of economy and social studies This subject deals with the history of the European and Czech society in the 19th - 21th centuries. It follows the forming of the European and Czech political representation, its aims and achieved results as well as the social, economical, technical and cultural development and coexistence of the various ethnical groups.	Z,ZK	4
B0M16HT2	History of science and technology 2 This subject traces historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate students' interest in the history and traditions of the subject, while highlighting the developments in technical education and professional organizations, the process of shaping scientific life and the influence of technical engineers	Z,ZK	4
B0M16MPS	Psychology	Z,ZK	4
B0M16TE1	Theology This subject provides to students the basic orientation in christian theology and requires no special previous education. After short philosophic lecture the basic theologic disciplines are gone through. The subject is determined not only to believer students who want to know the reliable theologic grounding but also above all to ones who want to get know Christianity - religion from which grows our civilization up.	Z,ZK	4
BEZM	Safety in Electrical Engineering for a master's degree The course provides for students of all programs periodic training guidelines for health and occupational safety and gives knowledge of electrical hazard of given branch of study. Students receive indispensable qualification according to the current Directive of the Dean.	Z	0

For updated information see <http://bilakniha.cvut.cz/en/f3.html>

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