Recomended pass through the study plan

Name of the pass: Branch Solid State Systems - Passage through study

Faculty/Institute/Others:

Department:

Pass through the study plan: Open Electronic Systems - Solid State Systems

Branch of study guranteed by the department: Welcome page

Guarantor of the study branch: Program of study: Welcome page Type of study: unknown 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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
BEEZM	Safety in Electrical Engineering for a master's degree Vladimír K la, Ivana Nová, Josef ernohous, Radek Havlí ek Radek Havlí ek Vladimír K la (Gar.)	Z	0	2BP+2BC	Z	Р
AE8M31AAS	Advanced Analog Systems	Z,ZK	5	2P+2S	Z	PO
AE8M38ASP	Analog.Sig.Proc.&Digitalization	Z,ZK	5	2P+2L	Z	PO
AE8M34ICS	IC Structures	Z,ZK	5	2P+2C	Z	PO
AE8M34OEP	Optoel.and Photonics	Z,ZK	5	2P+2L	Z	PO
MOESEVOL	Floring	Min. cours.	Min/Max			.,
	Elective subjects	0	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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
AE8M34ICD	IC Design	Z,ZK	5	2P+2C	L	PO
AE8M34MST	Microsystems	Z,ZK	5	2P+2L	L	PO
AE8M38MS	Modern Sensors	Z,ZK	5	2P+2L	Z	PO
AE8M34NAN	Nanoelectronics and Nanotechnology	Z,ZK	5	2P+2C	L	PO
MOESEVOL		Min. cours.	Min/Max			.,
	Elective subjects	0	0/999			V
MOESEH	Humanities subjects	Min. cours.	Min/Max			V
	AE0M16HT2,AE0M16Fl2, (see the list of groups below)	1	4/22			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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
AE8M36ACA	Advanced Computer Architectures	Z,ZK	5	2P+2S	Z	РО
MOESEVOL	Floritor at the co	Min. cours.	Min/Max			V
	Elective subjects	0	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) Tutors, authors and guarantors (gar.)	Completion	Credits	Scope	Semester	Role
ADIP25	Diploma Thesis	Z	25	36s	L	Р
MOESEVOL	Elective subjects	Min. cours.	Min/Max			V
		0	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 group (for specification	courses and on see here o	d codes of members of this or below the list of courses)	Com	pletion	Credits	Scope	Semester	Role
MOES	EH	H	umanities su	M		cours. 1	cours. Min/Max 1 4/22			V
AE0M16HT2	History of s	cience and technolog AE0M16FI2 Philosophy II			AE0M16	MPS F	sychology			
A003TV	Physical E	ducation	AE0M16TE1	Theology						
MOESE	VOL	Elective subjects		Min.	cours.	Min/Ma 0/999	x		V	

List of courses of this pass:

Code	Name of the course	Completion	Credits
A003TV	Physical Education	Z	2
ADIP25	Diploma Thesis	Z	25
Independent final of	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	y, which will
be specified b	y branch department or branch departments. The diploma thesis will be defended in front of the board of examiners for the comp	rehensive final exami	nation.
AE0M16FI2	Philosophy II	Z,ZK	4
	The course is oriented on the transdisciplinar aspects of philosophy, informatics, physics, mathematics and biology.	<u> </u>	
AE0M16HT2	History of science and technology 2	Z,ZK	4
	historical developments in electrical engineering branches in the world and in the Czech Lands. Its ultimate goal is to stimulate st		
traditions of the sub	education and professional organizations, the process of shaping scientific	life and the influence	of technica
	engineers		_
AE0M16MPS	Psychology	Z,ZK	4
AE0M16TE1	Theology	Z,ZK	4
This subject provid	es to students the basic orientation in christian theology and requires no special previous education. After short philosophic lectu	re the basic theologic	: disciplines
are gone through. T	he 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	/ Christianit
	- religion from which graws our civilization up.		
AE8M31AAS	Advanced Analog Systems	Z,ZK	5
AE8M34ICD	IC Design	Z,ZK	5
AE8M34ICS	IC Structures	Z,ZK	5
AE8M34MST	Microsystems	Z,ZK	5
AE8M34NAN	Nanoelectronics and Nanotechnology	Z,ZK	5
AE8M34OEP	Optoel.and Photonics	Z,ZK	5
AE8M36ACA	Advanced Computer Architectures	Z,ZK	5
AE8M38ASP	Analog.Sig.Proc.&Digitalization	Z,ZK	5
AE8M38MS	Modern Sensors	Z,ZK	5
BEEZM	Safety in Electrical Engineering for a master's degree	Z	0
The course provide	des for students of all programs periodic training guidelines for health and occupational safety and gives knowledge of electrical h	nazard of given branch	n of study.
	Students receive indispensable qualification according to the current Directive of the Dean.		

For updated information see http://bilakniha.cvut.cz/en/FF.html Generated: day 2025-11-20, time 06:55.