CURRICULUM B.SC. ARTIFICIAL INTELLIGENCE					
Semester	Nodule	Course Code	Course	ECTS	
1. Semester 30 ECTS	Artificial Intelligence	DLBDSEAIS01	Artificial Intelligence	5	E
	Introduction to Academic Work	DLBCSIAW01	Introduction to Academic Work	5	WB
	Introduction to Programming with Python	DLBDSIPWP01	Introduction to Programming with Python	5	E
	Mathematics: Analysis	DLBDSMFC01	Mathematics: Analysis	5	E
	Collaborative Work	DLBCSCW01	Collaborative Work	5	OA
	Statistics - Probability and Descriptive Statistics	DLBDSSPDS01	Statistics - Probability and Descriptive Statistics	5	E
2. Semester 30 ECTS	Object Oriented and Functional Programming with Python	DLBDSOOFPP01	Object Oriented and Functional Programming with Python	5	Р
	Mathematics: Linear Algebra	DLBDSMFLA01	Mathematics: Linear Algebra	5	E
	Intercultural and Ethical Decision-Making	DLBCSIDM01	Intercultural and Ethical Decision-Making	5	WACS
	Statistics - Inferential Statistics	DLBDSSIS01	Statistics - Inferential Statistics	5	E
	Cloud Computing	DLBDSCC01	Cloud Computing	5	E
	Cloud Programming	DLBSEPCP01_E	Cloud Programming	5	Р
3. Semester 30 ECTS	Machine Learning - Supervised Learning	DLBDSMLSL01	Machine Learning - Supervised Learning	5	E
	Machine Learning - Unsupervised Learning and Feature	DLBDSMLUSL01	Machine Learning - Unsupervised Learning and Feature	5	WACS
	Neural Nets and Deep Learning	DLBDSNNDL01	Neural Nets and Deep Learning	5	OA
	Introduction to Computer Vision	DLBAIICV01	Introduction to Computer Vision	5	E
	Project: Computer Vision	DLBAIPCV01	Project: Computer Vision	5	WAPR
	Introduction to Reinforcement Learning	DLBAIIRL01	Introduction to Reinforcement Learning	5	E
4. Semester 30 ECTS	Introduction to NLP	DLBAIINLP01	Introduction to NLP	5	E
	Project: NLP	DLBAIPNLP01	Project: NLP	5	WAPR
	Introduction to Data Protection and IT Security	DLBCSIDPITS01	Introduction to Data Protection and IT Security	5	E
	Data Science Software Engineering	DLBDSDSSE01	Data Science Software Engineering	5	E
	Project: From Model to Production	DLBDSMTP01	Project: From Model to Production	5	OPR
	Seminar: Ethical Considerations in Data Science	DLBDSSECDS01	Seminar: Ethical Considerations in Data Science	5	WARE
5. Semester 30 ECTS	User Experience	DLBMIUEX01_E	User Experience	5	E
	UX-Project OR Project: Edge Al	DLBMIUEX02_E OR DLBAIPEAI01	UX-Project OR Project: Edge Al	5	WAPR
	Introduction to Robotics	DLBROIR01_E	Introduction to Robotics	5	E OF WAWA
	Agile Project Management	DLBCSAPM01	Agile Project Management	5	WAPR
	ELECTIVE I**		e.g. Autonomous Driving	10	
6. Semester 30 ECTS	ELECTIVE II**		e.g. Automation and Robotics	10	
	ELECTIVE III**		e.g. Data Engineer	10	
	Bachelor Thesis		Bachelor Thesis Colloquium	9	WABT PC
Total 180 ECTS	GOAL: In order to stay on	schedule, you should finisl	n modules of about 30 Credit Points per semester!		



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You've already planned out exactly how your course schedule should look? Wonderfull The IUBH offers you the flexibility to choose any module you like from any semester. You can work on a number of modules at the same time or one by one.



At the beginning, choose modules that particularly interest you or that you can use directly in your job. This motivates you and gives you success right from the start.

A module with two courses consists of an introduction and a consolidation. In order to successfully complete a module, you must successfully pass both the introduction and the consolidation of the module within the framework of a module examination.

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Elective Module III: A autonomous Driving Automation and Robotics Data Engineer Digital Signal Processing and Sensor Technology Database Developer Business Intelligence Data Analyst Augmented, Mixed and Virtual Reality International Marketing and Branding Applied Sales Supply Chain Management Financial Services Management Original Contecture Management

Elective Module III:

IF Project and ArcIntexan-Management
Psychology of Human Computer Interaction
Foreign Language Italian
Foreign Language Terkish
German Language
Foreign Language
Foreign Language

M Exam (monthly at study centres or anytime via the online exam*) WB Workbook OA Oral Assignment P Portfolio WACS Written Assessment: Case Study WARS Written Assessment: Case Study WAPR Written Assessment: Project Report WABT Written Assessment: Bachelor Thesis OPR Oral Project Report WARE Written Assessment: Research Essay WAWA Written Assessment: Written Assignment PC Presentation: Colloquium

* All the modules that have been unlocked for the Online Exams can be found in CARE.

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**ELECTIVES Choose three modules

Elective Module I: • Autonomous Driving • Automation and Robotics • Data Engineer • Digital Signal Processing and Sensor Technology • Database Developer • Business Intelligence • Data Analyst • Augmented, Mixed and Virtual Reality Elective Module II: • International Marketing and Branding • Applied Sales • Supply Chain Management • Financial Services Management • IT project and Architecture Management • Psychology of Human Computer Interaction

Elective Module I:

NOTE:

very elective module can only be chosen once.