BSC COURSES IN ENGLISH OFFERED FOR STUDENTS VISITING THE

FACULTY OF INFORMATION TECHNOLOGY IN 2026-2027

Course code	Course name	Credit	Semester	Department	Prerequisites
VEMIMAB346MA	Mathematical analysis I	6	fall/spring	Department of Mathematics	Fundamentals of mathematics
VEMIMAM276N	Numerical Analysis	6	spring	Department of Mathematics	Mathematical analysis Linear Algebra
VEMIMAM143V	Probability Theory and Mathematical Statistics	3	spring	Department of Mathematics	-
VEMIVIB256SF	Computer Networks I	6	fall/spring	Department of Electrical Engineering and Information Systems	Fundamentals of Computer Technology
VEMIVIB234VT	Virtualization technologies in practice	4	fall/spring	Department of Electrical Engineering and Information Systems	Operating Systems
VEMIVIB336PP	Parallel Programming	6	spring	Department of Electrical Engineering and Information Systems	Computer Architecture, C programming, (optionally) Java programming, introductory Linear Algebra
VEMIVIB313FI	User interface design	3	spring	Department of Electrical Engineering and Information Systems	Programming Software Engineering
VEMIMAB244DI	Discrete mathematics	4	spring	Department of Mathematics	Linear algebra (VEMIMAB344LI)
VEMISAB244AV	Elements of the theory of digital computation	4	spring	Department of Computer Science and Systems Technology	Logical and algebraic foundation of informatics
VEMISAB244DF	Data structures and algorithms I	4	spring	Department of Computer Science and Systems Technology	Programming fundamentals

VEMISAB256PF	Programming II	6	spring	Department of Computer Science and Systems Technology	Programming fundamentals, Programming I
VEMIVIB213SA	Computer architectures	3	spring	Department of Electrical Engineering and Information Systems	Information technology
VEMIVIB233WF	Web programming II	3	spring	Department of Electrical Engineering and Information Systems	Web programming I

MSC COURSES IN ENGLISH OFFERED FOR STUDENTS VISITING THE

FACULTY OF INFORMATION TECHNOLOGY IN 2026-2027

Course code	Course name	Credit	Semester	Department
VEMIMAM276N	Numerical Analysis	6	spring	MAT*
VEMIMAM143A	Mathematical Analysis for Engineers	3	fall	MAT
VEMIMAM143V	Probability Theory and Mathematical Statistics	3	spring	MAT
VEMIMAM176H	Advanced Operations Research	6	fall	MAT
VEMISAM232F	Compilers	3	fall	RSZT*
VEMISAM153H	Process Synthesis and Optimization	4	spring	RSZT
VEMISAM243A	Theory of Algorithms and Computational Complexity	4	spring	RSZT
VEMIVIM276D	Discrete and Continuous Dynamic Systems	6	spring	VIRT*
VEMIVIM246H	Advanced Database Management Systems	6	spring	VIRT
VEMIVIM256F	Cloud Programming	6	spring	VIRT
VEMIVIM176J	Digital Signal Processing	6	fall	VIRT
VEMIVIM379R	Robotics and Machine Vision	9	spring	VIRT
VEMIINM254F	Cloud Security	4	spring	VIRT
VEMIVIM113I	Applied Information Theory for Engineers	3	fall	VIRT
VEMIVIM156G	GPU Programming	6	fall	VIRT

MAT= Department of Mathematics
VIRT = Department of Electrical Engineering and Information Systems
RSZT= Department of Computer Science and Systems Technology