Bachelor's Programme in Science Preliminary Teaching Programme 2025-2026

Code	Course unit name	Scope (cr)	Teaching periods	Teaching language(s)	Mode of teaching	Open to exchange students	Open to students of other degree programmes	Open university teaching (open university course fees will be announced later)
BS4001A	Introduction to Modern Science	2 cr	1	English	Contact teaching	No	No	Course unit is only for degree students.
BS4001B	Modern Science Working Groups	5 cr	2	English	Contact teaching	No	No	Course unit is only for degree students.
BS4005	Seminar	4 cr	lectures 1, seminar presentation 2 or 4	English	Contact teaching	No	No	Course unit is only for degree students.
MATH&STAT	-	-	-	-	-	-	-	-
BSMA1001	Linear algebra and complex numbers	5 cr	1	English	Contact teaching	Yes	No	Course unit is both for degree students and open university studies.
BSMA1002	Calculus IA: Limits and differentiation	5 cr	2	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSMA1003	Calculus IB: Integration	5 cr	3	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSMA1004	Advanced calculus	5 cr	3	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSMA1006	Probability Calculus I	5 cr	3	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSMA2001	Linear algebra and matrices II	5 cr	4	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSMA2002	Introduction to vector analysis	5 cr	1	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSMA2003	Measure and integration	5 cr	3	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSMA2007	Differential equations	5 cr	4	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSMA2010	Series	5 cr	4	English	Online teaching	Yes	Yes	Course unit is only for degree students.
CS&DS	-	-	-	-	-	-	-	-
BSCS1001	Introduction to Programming	5 cr	Lectures in period 1, other times on own pace	English	Distance teaching (time-bound) or online teaching	Yes	No	Course unit is only for degree students.
BSCS1001	Introduction to Programming	5 cr	periods 1-4 and summer 2026	English	Online teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSCS1002	Advanced Course in Programming	5 cr	Lectures in period 2, other times on own pace	English	Distance teaching (time-bound) or online teaching	Yes	No	Course unit is only for degree students.
BSCS1002	Advanced Course in Programming	5 cr	periods 1-4 and summer 2026	English	Online teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSCS10031	Data structures and Algorithms I	5 cr	3	English	Blended teaching (includes both contact and distance teaching)	Yes	Yes	Course unit is both for degree students and open university studies.
BSCS1005	Introduction to Databases	5 cr	1	English	Blended teaching (includes both contact and distance teaching)	Yes	Yes	Course unit is both for degree students and open university studies.
BSCS1006	Computer and Internet	5 cr	3-4	English	Blended teaching (includes both contact and distance teaching)	Yes	Yes	Course unit is both for degree students and open university studies.
BSCS2004	Models of Computation	5 cr	4	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSCS2006	Data structures and Algorithms II	5 cr	4	English	Online teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSCS2011	Programming for Performance	5 cr	4	English	Contact teaching	Yes	Yes	Course unit is only for degree students.

Code	Name	Credits	Period	Language	Teaching method			Notes
BSCS2012	Algorithms and AI Lab	4 cr	1	English	Blended teaching (includes both contact and distance teaching)	No	No	Course unit is only for degree students.
BSCS2012	Algorithms and AI Lab	4 cr	2	English	Blended teaching (includes both contact and distance teaching)	No	No	Course unit is only for degree students.
BSCS2012	Algorithms and AI Lab	4 cr	3	English	Blended teaching (includes both contact and distance teaching)	No	No	Course unit is only for degree students.
BSCS2012	Algorithms and AI Lab	4 cr	4	English	Blended teaching (includes both contact and distance teaching)	No	No	Course unit is only for degree students.
BSCS2012	Algorithms and AI Lab	4 cr	summer	English	Blended teaching (includes both contact and distance teaching)	No	No	Course unit is only for degree students.
BSCS2013	Networking Lab	4 cr	May intensive period	English	Contact teaching	No	No	Course unit is only for degree students.
BSCS1004	Computer Organization	5 cr	1-4	English	Exam (examinarium)	No	Yes	Course unit is only for degree students.
BSCS2005	Introduction to Networking		1-4	English	Exam (examinarium)	No	Yes	Course unit is only for degree students.
PHYSICS	-	-	-	-	-	-	-	-
BSPH1001	Interactions and bodies	5 cr	3	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSPH1002	Matter and interactions	5 cr	4	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSPH1003	Electromagnetism	5 cr	1	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSPH1004	Radiation fields and photons	5 cr	2	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSPH2001	Basics of thermophysics	5 cr	3	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSPH2002	Thermodynamic potentials	5 cr	4	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSPH2003	Physical basis of computing	5 cr	2	English	Blended teaching (includes both contact and distance teaching)	Yes	Yes	Course unit is only for degree students.
BSPH2004	Introduction to quantum physics	5 cr	2	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSPH2005	Applications of quantum physics I: atoms and molecules	5 cr	3	English	Blended teaching (includes both contact and distance teaching)	Yes	Yes	Course unit is only for degree students.
BSPH2006	Applications of quantum physics II: solid state and elementary particles	5 cr	4	English	Contact teaching	Yes	Yes	Course unit is only for degree students.
BSPH4001	Sustainability in Space	2 cr	periods 1-4 and summer 2026	English	Online teaching	Yes	Yes	Course unit is both for degree students and open university studies.
CHEMISTRY	-	-	-	-	-	-	-	-
BSCH1001	Atoms, Molecules and Interactions	5 cr	3	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSCH1002	Energy, Reactivity and Chemical Equilibrium	5 cr	4	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSCH1003	Organic Chemistry 1	5 cr	3	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.

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BSCH1004	Inorganic Chemistry	5 cr	2	English	Contact teaching	Yes	Yes	Course unit is both for degree students and open university studies.
BSCH2001	Organic Chemistry 2	5 cr	2	English	Blended teaching (includes both contact and distance teaching)	Yes	Yes	Course unit is only for degree students.
BSCH2002	Resolving structure of molecules	5 cr	1	English	Contact teaching	Yes	Yes	Course unit is only for degree students.