

Bachelor of Science in Artificial Intelligence (BSAI)

Introduction to BSAI Program:

The BSAI program at the Grand Asian University, Sialkot is designed to meet the needs of students who wish to pursue a career in the artificial intelligence domain. The program provides a rigorous academic experience that prepares students for the challenges of the rapidly evolving field of computing.

The BS (AI) program gives the students an in-depth knowledge they need to transform large and complex scenarios into actionable decisions. The program and its curriculum focus on how complex inputs — such as knowledge, vision, language, and huge databases — can be used to make decisions to enhance human capabilities. The curriculum of the BS (AI) program includes coursework in computing, mathematics, automated reasoning, statistics, computational modeling, introduction to classical artificial intelligence languages and case studies, knowledge representation and reasoning, artificial neural networks, machine learning, natural language processing, vision, and symbolic computation. The program also encourages students to take courses in ethics and social responsibility, with the opportunity to participate in long-term projects in which artificial intelligence can be applied to solve problems that can change the world for the better — in areas like agriculture, defense, healthcare, governance, transportation, e-commerce, finance, and education.

Revised Scheme of Study for BSAI

Areas	Credit Hours	Courses
Computing Core	46	14
Domain Core	18	6
Domain Elective	21	7
Mathematics & Supporting Courses	12	4
Elective Supporting Courses	3	1
General Education Requirement	34	15
Totals	134	47

Eligibility Criteria:

For admission to BSAI, a minimum of 50% marks in Intermediate/12 years schooling/A-Level (HSSC) or Equivalent with Mathematics is required. However, students not studying mathematics at the intermediate level must pass the mathematics deficiency courses (06 credits) in the first two semesters.

Duration:

The minimum duration for completing BSAI is four years. However, the HEC allows a maximum of seven years to complete the BSAI degree. Moreover, a student can obtain an associate degree after fulfilling the requirements of ADP after 4 semesters.