Semester
Autumn
2025

AIOU

PROSPECTUS

BS
Face to Face Programmes

- Faculty of Sciences
- Faculty of Education

Allama Iqbal Open University, Islamabad
www.aiou.edu.pk

PROSPECTUS

OF

BS Computer Science

&

BS Instructional Design

For

SEMESTER: Autumn 2025

Directorate of International Collaboration & Exchange

Vice-Chancellor's Message

Dear Student,

السلام علیکم

Allama Iqbal Open University (AIOU) is one of the mega universities of the world and it occupies a unique position in the education sector of Pakistan, because of its affordability and high quality distance and online academic programs. AIOU has now turned into the most favorite university of the country with high international repute. The university made a landmark progress by ensuring access to quality education for rural areas under-privileged students and the people of all ages particularly the females can now select and join the programs of their choice, while sitting at their residence and simultaneously with continuing their jobs. After assessing the success of many degree programs in Pakistan, AIOU is now going to offer a variety of range programs for the students residing worldwide. More than 1.3 million students are getting benefits from the high quality educational services of AIOU in all regions of the country through more than fifty regional offices of the university. It offers-suggests many undergraduate and postgraduate programs at rural and remote areas providing an unparalleled opportunity to all the poor and deprived segments of the society at an affordable cost. The university has recently digitalized all its student-support services for facilitating its students on priority basis. This digitization of the system, it is hoped, will enable AIOU students to get all discipline of educational programmes using their Learning Management system (LMS) portal support online.

Committed to your bright future

Prof. Dr. Nasir Mahmood
Vice Chancellor

AIOU ACADEMIC CALENDAR

IMPORTANT ACTIVITIES TO BE REMEMBERED

Autumn Semester			Spring Semester		
Proposed Activity	**Schedule**		**Proposed Activity**	**Schedule**	
	From	**To**		**From**	**To**
Admission	01 July	05 September	**Admission**	01 January	05 March
Mailing	01 September	15 November	**Mailing**	01 March	15 May
Study Period	16 November	28 February	**Study Period**	16 May	30 August
Examination (Conduct)	01 March	30 April	**Examination (Conduct)**	01 September	30 October
Result Declaration	30 June		**Result Declaration**	30 December	

Note: Contact Directorate of International Collaboration & Exchange for exact schedule of activities. Continuing Students are sent information for all activities by LMS/SMS. Simultaneously information is placed on website (www.aiou.edu.pk).

MINIMUM AND MAXIMUM DURATION/SEMESTERS
FOR FACE TO FACE PROGRAMMES

Sr. No.	Degree Level	Minimum Duration	Maximum Duration
1	Ph.D	3 years / 5 semesters	8 years *
2	MS/M.Phil/M.Sc (Hons)/MBA/COL MBA/MPA	2 years / 4 Semesters	4 Years **
3	BS (4-Year)	4 years / 8 Semesters	6 Years
4	Postgraduate Diploma (1-Year)	1 Year / 2 Semesters	2 Years
5	Certificate (6-Months)	6 Months / 1 Semester	1 Years
6	BS 2.5 years	2.5 Years/5 Semester	4 Years
7	BS 2 Years	2 years/ 8 Semester	4 Years

Evaluation/Assessment Criteria for all PGD/ADS/BS Face to Face Programmes

For Theory Courses:

S.No.	Components	Total Marks	Weightage	Passing Marks
1	Assignment	10	20%	50% (In aggregate)
2	Assignment 2	10		
3	Mid Term	30	30%	
4	Attendance	100	Nil	70%
5	Final Exam	100	50%	50%

For Theory-Practical Courses:

S.No.	Components	Total Marks	Weightage	Passing Marks
1	Assignment	10	20%	50% (In aggregate)
2	Assignment 2	10		
3	Mid Term	30	30%	
4	Practical	15		
5	Attendance	100	Nil	70%
6	Final Exam	100	50%	50%

For Practical/FYP Courses:

S.No.	Components	Total Marks	Weightage	Passing Marks
1	Attendance	100	Nil	70%
2	Final Exam	100	100%	50%

COMPLETE PROCEDURE TO
ENROLL IN AIOU PROGRAMME AND SUBMISSION OF FORM IN AIOU ISLAMABAD

International & Overseas Students Shall Submit their Admission using Online System

Dear Applicant

Allama Iqbal Open University and Directorate of International collaboration & Exchange welcome and thanks you for showing your interest in our programs. For online admission, please watch video guidelines:

Fresh Enrollment: https://www.youtube.com/watch?v=_14IPtu4vnk

Continuing Students: https://www.youtube.com/watch?v=d52VGci6XNQ

Fee Depositing Process: https://www.youtube.com/watch?v=A33WSSY9pbA&t=9s

THANKS AND LET US KNOW HOW WE CAN HELP OR GUIDE YOUR FURTHER

Admission Schedule for International student:

From semester Autumn 2021, the AIOU has started offering of Matric, FA, Certificate Courses, Associate Degree, B.Ed, BS, BBA, PGD and MBA/MPA (COL) Level Programs for international students. Schedule of Admission is given below:

1st July 2025 to 10th August 2025

Address:

Directorate of International Collaboration and Exchange
Room No. 05, Block No. 25, Allam Iqbal Open University
Sector H-8, Islamabad, Pakistan
Telephone: 0092519572495
Email: overseas@aiou.edu.pk

CONTENTS

ALLAMA IQBAL OPEN UNIVERSITY

Allama Iqbal Open University, a mega university was established in 1974 under an Act of Parliament. The main campus of the university is situated in sector H-8, Islamabad. It was the second open university of the world and the first of its kind in Asia and Africa. The aim of establishing AIOU was to provide affordable and accessible education through distance learning at the doorsteps to those people who could not continue their educational journey through formal system of education. The University (AIOU) operates on semester system and admits students in Autumn and Spring semesters, Undergraduate admissions are being offered in both the semesters, whereas postgraduates are being offered once a year. The enrolled students are given course books specially prepared by the university on self instructional principles. However, at post graduate level reprints of foreign books alongwith allied material and university prepared study guides help students to polish their skills.

At present, the AIOU is offering programmes from Matric to PhD level in diverse disciplines comprised four faculties. The university has established study centres across the country where distance education students are provided necessary guidance by their respective tutors. AIOU is also offering four years under-graduate degrees.

Apart from curricular and extra-curricular activities during the academic year, the AIOU and its regional centres actively participate in the co-curricular activities by arranging educational and literary seminars, workshops and conferences, attended not only by the students and faculties of the university, but also by the renowned dignitaries and scholars. For the science students and the research scholars, a science complex has been constructed, where they use the latest equipment of international standard for experiments and research. To meet the present-day challenges, internet facility is also available in the student hostel and the Central Library, where computers have been provided to enable students to access the latest information available through open source databases.

FACULTY OF SCIENCES

Faculty of Sciences form an integral part of the University, Since its establishment in 1982 with five teaching departments, it has undergone major development changes. It now comprises nine teaching and research departments which are offering courses at the undergraduate and postgraduate levels to more than ten thousand students. The Faculty operates under the basic guidelines of the University Act and on "Education for All as Convenient" basis so that maximum students get benefit from its academic programs and educational facilities. This principle has necessitated some structural changes in the non-formal mode, particularly at the postgraduate level, in the offering of theory courses and practical lab work. This conceptual adjustment has been quite successful and many in-service students are benefiting from postgraduate study programs. Improvement in qualification for a better life is a right of everyone and the faculty's programs meet this challenge by offering opportunities to all. In particular, a significant number of beneficiaries are those who cannot afford education in formal institution due to a variety of reasons.

DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science (DCS) was established in the year 2000. The Department has received recognition nation-wide due to its quality education. The department had developed curricula of the academic programs at various levels to meet the national and international standards as defined by Higher Education Commission. The curricula include Ph. D (computer Science), MS (Computer Science), BS (Computer Science) and Postgraduate Diploma (PGD) in Computer Science. The department is equipped with computing facilities and services including a digital class room and multimedia courseware development lab. The department has its own library in addition to central library of the university. The Department of Computer Science practices the multi-method teaching methodology i.e. face-to-face regular classes for BS (Computer Science) and MS (Computer Science). The online methodology is practiced for PGD (Computer Science) and Foreign Language (French). The facilities of Video/Teleconferencing are also in use for lectures/consultations in research-oriented degree of MS/PhD (Computer Science). In addition, the department also has a flavor of distance teaching in selected courses of BS (Computer Science) program like English, Pakistan Studies, and Islamic Studies etc.

Besides graduate and undergraduate teaching, the department is actively involved in research and development. For this purpose, Multimedia Centre and Open Learning Institute of Virtual Education (OLIVE) have been established under the umbrella of the department. The Multimedia center is equipped with technology related to Audio/Video production. It has successfully developed multimedia courseware for more than 20 courses, whereas OLIVE provided a framework for electronic delivery of these courses in online mode. In addition to research activities in the area of software engineering communication, networking, and multimedia, the department focuses on the eLearning research in instruction design, communication, course management, e-assessment, mobile learning and web technologies integration. The University has also developed linkages with San Jose' State University (SJSU) USA and Kent State University, USA. KSU is located in the heart of Silicon Valley and Kent State has strong education college with Technology Research Centers.

The principal aim of the Department of Computer Science is to produce graduates with a professional education and to undertake quality research in Computer Science and Related Information Technology areas. The specific objectives are to:
i. Maintain an excellent reputation and professional accreditation for its taught degree programs.

ii. Disseminate an appreciation of the current state and future directions of technological advances in the areas of Computer Science, Information Technology and e-learning.
iii. Equip students with computer science knowledge and skills to cope with the social, economic, scientific, and technological challenges of the world outside.
iv. Develop platform and systems for e-learning/mechanism for electronic delivery of courses to increase outreach to rural and remote areas.
v. Conduct research in areas of e-learning, multimedia instructional design, web-based education, mobile learning and related areas in software engineering, information technology, and computer science.
vi. Assist other departments and individuals to implement modern ICT in educational delivery.
vii. Provide a leadership support in ICT based education in Pakistan.

BS COMPUTER SCIENCE (4-YEAR PROGRAM)
(Programme Code 5032)

1. Introduction

The BS (CS) program is offered by the Department of Computer Science, AIOU. It is a four- years degree program, covering the recent trends in hardware, software and communication technologies. The program provides an understanding of the field through concepts, theory and techniques. The curriculum of the program has been developed and regularly updated to meet the national, international, social and economic needs. The curriculum revision is normally based on need of fast changing disciplines, emerging technologies and international standards. The structure and other details of the program are confined to HEC with focus on ACM and IEEE-CS recent development.

2. Objectives

The objectives of the program are to:
i. Develop professionals in the field of computer science.
ii. Provide high quality education at low cost.
iii. Provide knowledge to individuals seeking computer skills to increase their job opportunities in their current careers or to pursue new careers.
iv. Learn in-depth knowledge of computer languages, software engineering, computer architecture, large-scale system software and multimedia in the design.
v. Provide sufficient conceptual and skill based know how so that successful graduates could initiate IT career in industry and academia.

3. Eligibility

Minimum 50% marks in Intermediate/12 years schooling/A- Level (HSSC) or Equivalent with Mathematics are required for admission in BS(CS).

Equivalency certificate by IBCC will be required in case of education from some other country or system.
The departmental admission committee shall determine the eligibility accordingly.

4. Duration of Program

i. The BS (CS) is 133 credit hours' program and may be completed in minimum four years (eight semesters).
ii. Two semesters are offered in a year as Spring and Autumn.
iii. Duration of each semester is 16 weeks.
iv. The maximum time limit to complete the BS (CS) Program is Six Years from the date of first registration of the student in this program.

5. Scheme of Study

Semester-1

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 3504	computer programming	4(3+1)	Core
2	CS3503	Applications of Information & Communication Technologies	3(2+1)	GER
3	MATH 3516	Discrete Mathematics	3(3+0)	GER-QR 1
4	MATH 3502	Calculus-I	3(3+0)	GER-QR 1
5	ENGL 3505	Functional English	3(3+0)	GER
			Total 16 (14+2) Credit Hours	

Semester-2

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 3506	Object Oriented Programming	4(3+1)	Core
2	CS 3507	Database Systems	4(3+1)	Core
3	CS 3508	Digital Logic Design	3(2+1)	Core
4	MATH 3509	Calculus-II	3(3+0)	Maths
5	MATH 3512	Linear Algebra	3(3+0)	Maths
			Total 17 (14+3) Credit Hours	

Semester-3

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 4521	Data Structures	4(3+1)	Core
2	CS 4522	Information Security	3(2+1)	Core
3	CS 4523	Artificial Intelligence	3(2+1)	Core
4	CS 4524	Computer Networks	3(2+1)	Core
5	CS 4525	Software Engineering	3(3+0)	Core
6	STAT 4509	Probability & Statistics	3(3+0)	Maths
			Total 19 (15+4) Credit Hours	

Semester-4

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 4526	Computer Organization & Assembly Language	3(2+1)	Core
2	CS 4527	Theory of Automata	3 (3-0)	Domain Core
3	CS 4528	Advance Database Management Systems	3 (2-1)	Domain Core
4	PHY 4509	Applied Physics	3(2+1)	GER
5	ENGL3504	Expository Writing	3(3+0)	GER
6	ITHC3501/ HADH3501	Islamic Studies / Ethics	2(2+0)	GER
7	PKST 3501	Pakistan Studies	2(2+0)	GER
			Total 19 (14+3) Credit Hours	

4

Semester-5

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 5502	Operating Systems	3(2+1)	Core
2	CS 5503	HCI & Computer Graphics	3 (2+1)	Domain Core
3	CS 5504	Computer Architecture	3 (2+1)	Domain Core
4	-	Domain Elective 1	3(2+1)	Domain Elective
5	-	Domain Elective 2	3(2+1)	Domain Elective
6	MGT3504	Introduction to Management	2(2+0)	GER
7	TFSR 3501	Fahm-E-Quran (Tajwid, Translation and Tafsir)	Non-Cre.	(NC)
			Total 17 (12+5) Credit Hours	

Semester-6

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 5505	Compiler Construction	3 (2+1)	Domain Core
2	CS 5506	Parallel and Distributed Computing	3 (2+1)	Domain Core
3	-	Domain Elective 3	3 (2+1)	Domain Elective
4	-	Domain Elective 4	3 (2+1)	Domain Elective
5	-	Domain Elective 5	3 (2+1)	Domain Elective
6	-	Domain Elective 6	3 (2+1)	Domain Elective
7	SERT3501	Seerat-e-Tayyaba	Non-Cre.	(NC)
			Total 18 (12+6) Credit Hours	

Semester-7

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 6501	Final Year Project – I	2(0+2)	**Core**
2	CS 6502	Analysis and Design of Algorithm	3(3+0)	Core
3	-	Domain Elective 7	3(2+1)	Domain Elective
4	CS 6503	IT Marketing Concepts	3(3+0)	SS
5	ENGL 3503	Technical and Business Writing	3(3+0)	Math's & Supp.
6	MGT3503	Entrepreneurship	2(2+0)	GER
7	CS 6507	Internship	3(0-3)	-
			Total 19 (13+6) Credit Hours	

Semester-8

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 6504	Final Year Project – II	4(0+4)	**Core**
2	PKST3502	Ideology and Constitution of Pakistan	2(2+0)	**GER**
3	CS 6506	Professional Practices	2(2+0)	**GER**
4	SOC3503	Civics and Community Engagement	2(2+0)	**GER**
			Total 10 (6+4) Credit Hours	

The student can select seven courses from the list of elective courses.

List of electives offered in the BS(CS) Program:

Computer Science Elective List (Domain Electives):

Domain Elective (2.2)			
S#	Code	Course Title (Per HEC 2023)	Cr. Hrs.
1.	CS 5507	Web Technologies	3 (2-1)
2.	CS 5508	Mobile Application Development 1	3 (2-1)
3.	CS 5509	Visual Programming	3 (2-1)
4.	CS 5510	Numerical Computing	3 (2-1)
5.	CS 5511	Web Engineering	3 (2-1)
6.	CS 5512	Cyber Security	3 (2-1)
7.	CS 5513	Software Testing & Quality Assurance	3 (2-1)
8.	CS 5514	Mobile Application Development 2	3 (2-1)
9.	CS 5515	Cloud Computing	3 (2-1)
10.	CS 5516	Computer Graphics	3 (2-1)

11.	CS 5517	Object Oriented Analysis & Design	3 (2-1)	
		Credit Hours	**33**	

The Department of Computer Science reserves the right to offer or may not offer listed particular course depending upon the available faculty/laboratory resources and viable student's enrollment.

Fee Tariff

Item	Fee
Registration Fee: (At the time of 1st Admission)	US$ 50/-
Admission Fee: (At the time of 1st Admission)	US$ 50/-
Per Course Fee @ US$ 100/- = Total Fee (US$ 100 x 5)	US$ 500/-
Total First Semester Fee=	**US$ 600/-**

6. Eligibility

Minimum 50% marks in Intermediate/12 years schooling/A-Level (HSSC) or Equivalent with Mathematics are required for admission in BS(CS). Equivalency certificate by IBCC will be required in case of education from some other country or system. The students who have not studied Mathematics at intermediate level have to pass deficiency courses of Mathematics in first two semesters.

The departmental admission committee shall determine the eligibility accordingly.

BS COMPUTER SCIENCE
(Programme Code 5070) (WDC)

Semester-1

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 3504	computer programming	4(3+1)	Core
2	CS3503	Applications of Information & Communication Technologies	3(2+1)	GER
3	MATH 3516	Discrete Mathematics	3(3+0)	GER-QR 1
4	MATH 3502	Calculus-I	3(3+0)	GER-QR 1
5	ENGL 3505	Functional English	3(3+0)	GER
6	MATH 3517	Pre- Calculus-I	Deficiency Course	N/C
Total 16 (14+2) Credit Hours				

Semester-2

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 3506	Object Oriented Programming	4(3+1)	Core
2	CS 3507	Database Systems	4(3+1)	Core
3	CS 3508	Digital Logic Design	3(2+1)	Core
4	MATH 3509	Calculus-II	3(3+0)	Maths
5	MATH 3512	Linear Algebra	3(3+0)	Maths
6	MATH 3518	Pre- Calculus- 2	Deficiency Course	N/C
Total 17 (14+3) Credit Hours				

Semester-3

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 4521	Data Structures	4(3+1)	Core

2	CS 4522	Information Security	3(2+1)	Core
3	CS 4523	Artificial Intelligence	3(2+1)	Core
4	CS 4524	Computer Networks	3(2+1)	Core
5	CS 4525	Software Engineering	3(3+0)	Core
6	STAT 4509	Probability & Statistics	3(3+0)	Maths

Total 19 (15+4) Credit Hours

Semester-4

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 4526	Computer Organization & Assembly Language	3(2+1)	Core
2	CS 4527	Theory of Automata	3 (3-0)	Domain Core
3	CS 4528	Advance Database Management Systems	3 (2-1)	Domain Core
4	PHY 4509	Applied Physics	3(2+1)	GER
5	ENGL3504	Expository Writing	3(3+0)	GER
6	ITHC3501/ HADH3501	Islamic Studies / Ethics	2(2+0)	GER
7	PAK 3501	Pakistan Studies	2(2+0)	GER

Total 19 (16+3) Credit Hours

Semester-5

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 5502	Operating Systems	3(2+1)	Core
2	CS 5503	HCI & Computer Graphics	3 (2+1)	Domain Core
3	CS 5504	Computer Architecture	3 (2+1)	Domain Core
4	-	Domain Elective 1	3(2+1)	Domain Elective
5	-	Domain Elective 2	3(2+1)	Domain Elective
6	MGT3504	Introduction to Management	2(2+0)	GER
7	TFSR 3501	Fahm-E-Quran (Tajwid, Translation and Tafsir)	Non-Cre.	(NC)

Total 17 (12+5) Credit Hours

Semester-6

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 5505	Compiler Construction	3 (2+1)	Domain Core
2	CS 5506	Parallel and Distributed Computing	3 (2+1)	Domain Core
3	-	Domain Elective 3	3 (2+1)	Domain Elective
4	-	Domain Elective 4	3 (2+1)	Domain Elective
5	-	Domain Elective 5	3 (2+1)	Domain Elective
6	-	Domain Elective 6	3 (2+1)	Domain Elective
7	SERT3501	Seerat-e-Tayyaba	Non-Cre.	(NC)

Total 18 (12+6) Credit Hours

Semester-7

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 6501	Final Year Project – I	2(0+2)	**Core**
2	CS 6502	Analysis and Design of Algorithm	3(3+0)	Core
3	-	Domain Elective 7	3(2+1)	Domain Elective
4	CS 6503	IT Marketing Concepts	3(3+0)	SS
5	ENGL 3503	Technical and Business Writing	3(3+0)	Math's & Supp.
6	MGT3503	Entrepreneurship	2(2+0)	GER
7	CS 6507	Internship	3(0-3)	-

Total 19 (13+6) Credit Hours

Semester-8

S#	Code	Title	Cre. Hrs.	Remarks
1	CS 6504	Final Year Project – II	4(0+4)	**Core**
2	PKST3502	Ideology and Constitution of Pakistan	2(2+0)	**GER**
3	CS 6506	Professional Practices	2(2+0)	**GER**
4	SOC3503	Civics and Community Engagement	2(2+0)	**GER**

Total	10 (6+4) Credit Hours

7. Fee Tariff

Item	Fee
Registration Fee: (At the time of 1st Admission)	US$ 50/-
Admission Fee: (At the time of 1st Admission)	US$ 50/-
Per Course Fee @ US$ 100/- = Total Fee (US$ 100 x 6)	US$ 600/-
Total First Semester Fee=	**US$ 700/-**

For any Assistance Contact:
Directorate of International Collaboration & Exchange Phone: +92 51 9572495 E-mail: overseas@aiou.edu.pk

8. Mode of Study

8.1 Medium of Instruction
The medium of instruction for BS (CS) Program is English.

8.2 Study Material
The class teacher will provide the study material. However, the students are advised to consult books from the list of recommended books.

8.3 Mode of Teaching
The BS (CS) program is a non-merit-based program which is offered in Online Mode.

8.4 Assessment and Evaluation
See Page v

FACULTY OF EDUCATION

The origin of the Faculty of Education pre-dates the university itself. The National Institute of Education was established in 1973 under the Federal Ministry of Education. It became part of the university in June, 1975 as Institute of Education in the then Faculty of Social Sciences. The progressively extending functions of the institute brought the needs for structural change and in 1984 it got the status of Faculty of Education.

DEPARTMENTS OF THE FACULTY

Faculty of Education Comprises of the following Six Departments:
1.   Distance, Non-Formal and Continuing Education
2.   Educational Planning, Policy Studies and Leadership
3.   Early Childhood Education and Elementary Teacher Education
4.   Secondary Teacher Education
5.   Science Education
6.   Special Education

Distance, Non Formal Education and Continuing Education
The department was established in 1984 and was later renamed as Distance, Non Formal and Continuing Education This department offers PhD, MPhil, Masters and specialized courses in B.Ed 1.5 program. The department also offers certificate courses in literacy and non-formal education.

Educational Planning, Policy Studies and Leadership (EPPSL)
The department was established in 1976 was renamed as EPPSL in 2008. It offers programs in educational planning management and leadership. These programs are aimed at producing a managerial cadre of professionals for the educational institutions and organizations in the country. Programs of EPPSL include B.Ed, Postgraduate Diploma, MA (EPM), MPhil and PhD in Educational Planning and Management as well as online courses. The courses of these programs are in accordance with the field requirements of target personnel in the areas of educational planning, management and leadership.

Secondary Teacher Education
The Department of Teacher Education was established in 1985 and was bifurcated into Secondary and Elementary Teacher Education Departments in July 2003. Its programs aim at imparting academic and professional knowledge and training to in-services and pre service teachers and scholars.
The programs/courses of this department comprise MA, MEd BEd (4 years) and BS Instructional Design and Technology as professional degree programs. The department also offers MPhil and PhD in Education, which are aimed to prepare highly skilled professionals and leaderships in the field of teacher education.

Early Childhood Education and Elementary Teacher Education
The Department of Elementary Teacher Education was established in 2003. In April 2008, the name of Elementary

Teacher Education Department was changed as Early Childhood Education and Elementary Teacher Education Department. The Department offers Associate Degree in Education, Post Graduate Diploma in ECE, BEd (1.5 year), BEd (2.5), BEd (4 years), MPhil and PhD program, it also offers "Education" as subject at Matric, Intermediate and Graduate level. The department is planning to launch, BS (ECCE) and Certificate of Entrepreneurship in ECCE. The department also plans to offer non-credit research courses and postgraduate diploma for teaching in higher education.

Science Education

The Department of Science Education was established in 1988. The programs and courses of the department are mainly focused on education and training of mathematics and science teachers. Presently the department offers specialized courses in science education at undergraduate and postgraduate level. Specialized courses provide conceptual framework and insight into the teaching of science. The department offers BEd (4 year) BEd (2.5 year) and specialization of Science Education in BEd (1.5 year) and MEd. MPhil and PhD programs; in science education are also offered at the department.

Special Education

The Department was established in 1985. The department imparts education and training to teachers for the special children in four specializations namely visual impairment, hearing impairment, intellectual disabilities, physical disabilities and mental retardation with particular emphasis to facilitate inclusive education. Parents of the special children are also admitted to these programs. Present programs/courses of this department comprise B.Ed (4 years), MEd, MA, MPhil and PhD in the field of Special Education.

BS INSTRUCTIONAL DESIGN AND TECHNOLOGY PROGRAMME (5062)

Secondary Teacher Education Department (STED)

Introduction

In increasingly technology-driven educational landscape, it is imperative that 21st century learners upgrade their skills and become proficient in the use of technology in every walk of life and to effectively facilitate the learning process. Educators and other professionals therefore must be able to design, deliver and manage learning environments both face-to-face and online. While embracing this paradigm shift of technology, Secondary Teacher Education Department (STED) has launching BS Education in Instructional Design and Technology Program. Overall this program focuses on instructional design process, learning theories, models, strategies, media, communication delivery models and interactive technologies, web designing and programming etc. Therefore, using the principles and practices of adult education, this program concentrates on following three areas:

- Building a foundation and conceptual framework for educational and instructional design process.
- Developing instructional strategies and skills to facilitate adult learning.
- Using media, web and other ICTs to support learning.

Program Name   B.S Instructional Design and Technology
Programme Duration: 4 years (8 Semesters)

Admission Criteria   FA/F.Sc or equivalent
Semester Duration: 16-18 weeks
Total Programme Credit Hours   **134 Credit Hours**
Total Number of courses: 47 courses including Internship and Research Project
Medium of Instruction: English
Delivery Mode: Online
Pass Marks: 50%

Semester-wise Break-up of BS Instructional Design and Technology Program for Face to Face Offering

SEMESTER 1

Sr. No	Course Code	Courses	Nature of Course	Credit Hours (Theory + Practical)
1.	ENGL3505	Functional English	GE1	3+0
2.	PKST3502	Ideology and Constitution of Pakistan	GE 2	2+0
3.	MATH3508	Quantitative Reasoning-I	GE 3	3+0
4.	8247	Educational Psychology & Guidance	D 1	3+0
5.	8248	Technology and Learning	D 2	3+0
6.	CS3503	Application of Information and Communication Technologies	D 3	2+1
Total Credit Hours				**16+01=17**

SEMESTER 2				
Sr. No	Course Code	Courses	Nature of Course	Credit Hours (Theory + Practical)
1.	8257	Introduction to Instructional Design	D 4	3+0
2.	8252	Learning Styles and Learning Environment	D5	3+0
3.	8253	Curriculum and Instruction	D 6	3+0
4.	ENVS 4501	Basics of Environmental Sciences	GE4	2+1
5.	8254	Classroom Management	D7	3+0
6.	8334	Introduction to Web Based Instructions	D8	3+0
Total Credit Hours				**17+1=18**

SEMESTER 3

Sr. No	Course Code	Courses	Nature of Course	Credit Hours (Theory + Practical)
1.	6900	Computer Programming	GE9	2+0
2.	MATH 4505	Quantitative Reasoning II	D11	3+1
3.	8263	Instructional Strategies and Assessment Methods	D12	3+0
4.	ENGL 3504	Expository Writing	GE 11	2+0
5.	MGT 3503	Entrepreneurship	GE12	2+0
6.	MGT 3504	Introduction to Management		2+0
		Total Credit Hours	16+01=17	

SEMESTER 4

Sr. No	Course Code	Courses	Nature of Course	Credit Hours (Theory + Practical)
1	ITHC/3501 HADH3501	Islamic Studies/Ethics	GE9	2+0
2	6902	Object Oriented Programming	D11	3+1
3	8251	Introduction to Open Educational	D12	3+0

		Resources		
4	SOC3503	Civics & Community Engagement	GE 11	2+0
5	URD3503	Pakistani Adab -I	GE12	2+0
6	PKST 3501	Pakistan Studies	GE12	2+0
		Total Credit Hours	14+1=15	

SEMESTER 5

Sr. No	Course Code	Courses	Nature of Course	Credit Hours (Theory + Practical)
1.	8261	Educational Research and Statistics	D13	3+0
2.	8262	Education in Pakistan	D14	3+0
3.	5908	Web Design-I (website design & development)	IDI	3+1
4.	8269	Learning Management Systems and Organizations	D12	
5.	3499	Mobile Application Development	ID2	2+1
6.	8270	Developing Instructional Media	D15	3+0
7.	TFSR3501	Fahm-e-Quran (Tajwid,	Compulsory	0+3

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Sr. No	Course Code	Courses	Nature of Course	Credit Hours (Theory + Practical)
		Translation and Tafsir)		
		Total Credit Hours	**17+ 02=19**	

SEMESTER 6				
Sr. No	Course Code	Courses	Nature of Course	Credit Hours (Theory + Practical)
1.	5914	Web Design-II (Advanced design & development skills)	ID3	3+1
2.	8335	Trends and Issues in Instructional Design	D16	3+0
3.	8330	Visual and Verbal Communication in Instructional Design	D17	3+0
4.	8264	Ethical use of Instructional Material (proper usage of resources)	D18	3+0
5.	8265	Internship (Institution)	Internship/ Field Experience	0+3
6.	SERT3501	Seerat-e-Tayyaba	Compulsory	Non-credit
		Total Credit Hours	**12+04=16**	

SEMESTER 7				
Sr. No	Course Code	Courses	Nature of Course	Credit Hours (Theory + Practical)
1.	8266	Instructional Designs: Theories and Models	D23	3+0
2.	8331	Systems Approach to Designing Instructional Materials	D24	3+0
3.	8259	Educational Measurement and Evaluation	D25	3+0
4.	8255	Organizational Behavior	ID26	3+0
5.	8332	Multi-media Applications in Education	D27	3+1
6.	5915	Internship (Software house)	D28	0+3
		Total Credit Hours	**15+04=19**	

SEMESTER 8				
Sr. No	Course Code	Courses	Nature of Course	Credit Hours (Theory + Practical)
1.	8267	Higher Education	D29	3+0
2.	8268	Future Challenges in Education	D30	3+0
3.	8333	Capstone Project	D31	0+3
4.	8258	Foundations in	D32	3+0

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		Education		
		Total Credit Hours	**9+3=12**	

Note: Department has right to change the offering of courses as per requirement.
GE= General Education   D=Major Courses from
Discipline   ID=Inter disciplinary
Lab Charges will be applicable only the semester in which lab work will be involved.
Assessment Criteria
See page v

Fee Tariff

Item	Fee
Registration Fee: (At the time of 1st Admission)	US$ 50/-
Admission Fee: (At the time of 1st Admission)	US$ 50/-
Per Course Fee @ US$ 100/- = Total Fee (US$ 100 x 6)	US$ 600/-
Total First Semester Fee=	**US$ 700/-**

For any Assistance Contact:
Directorate of International Collaboration & Exchange Phone: +92 51 9572495 E-mail: overseas@aiou.edu.pk

GENERAL INFORMATION

i.   The certificates/degrees of AIOU are equivalent to any other recognized Board/University.

ii.   A candidate is required to apply for admission (LMS) online only.

iii.   If an applicant does not receive any information regarding admission within three months from submission of application, he/she should presume no admission.

iv.   A course taken by any student cannot be changed during the semester. However, in real hardship cases, the change in courses will be allowed before the start of study period after deposit of prescribed fee. Study period schedule is available on AIOU website.

v.   The address of a student will not be changed during the semester.

vi.   On payment of the registration fee, each student will be issued a student ID. This number must be quoted in all the future correspondence along with the roll number, course(s), code numbers and semester.

vii.   Study material shall be available at the LMS (Aaghi Portal) and Website at their given addresses.

viii.   After confirmation of admission students are usually intimated about the part time tutors for each course through student CMS portal. If you do not found information about tutors, you are required to contact the Directorate of International Collaboration & Exchange immediately without any delay.

ix.   Rules and regulations framed, enhanced and changed from time to time by the authorities, bodies of the university will be effective as deemed necessary. The student will have to abide by all such rules and regulations from the date of their implementation.

x.   A student who fails in continuous assessment component is not eligible to reappear but will be allowed to re-register for the same course at its next offering semester by the university.

xi.   It is the responsibility of the student to remain in touch with the Directorate of IC&E regarding the selected programme.

xii.   A student already admitted to a programme or a specialization of a programme shall not be allowed to transfer or to get admission to another programme unless he/she formally postpones it till the completion of the new programme or withdraws from the previous programme.

xiii.   After completion of a programme successfully, a student has to apply to Controller of Examinations for issuance of certificate/degree.

xiv. The university reserves the right to change the contents of this prospectus without any prior notice as per university policy.

xv. The student must inform the Admission Department in writing about admission mistakes within the period of 15 days, which is not according to the admission form/ check list or mistake in name and address. No request for any change will be entertained after the stipulated period.

xvi. Admission without prescribed fee, less fee or fee deposited after due date will not be considered in any case.

xvii. In case of discrepancies in the name of student/ Father's name of the student or difference in name mentioned in his/her other educational certificates, the name on the Matric certificate of the student will be considered as correct name. The Examinations Department shall also issue certificate/ degree on the said name.

xviii. In case provision of forged documents for admission, not only the admission will be refused to the applicant but the fee deposited by him/her will also be forfeited. The university may proceed further in the matter.

xix. The degree/diploma/certificate of the student will be quashed:
    i) If any mistake found in compilation or declaration of result at any stage.
    ii) If any candidate found ineligible for a degree/ diploma/certificate during the cross verification process of result and documents at any stage.

iii) If found that candidate submitted forged/fake/illegal document(s) in the University at any stage.

Note: Beware that University has not authorized any person or private institute to collect payment/forms. All the students are instructed to deposit fee by themselves. In case of any discrepancy in admission fee/ admission form the University will not be responsible and the student will have to face the consequences.

Availability of Learning Material

i. Learning material can be downloaded from university website: www.aiou.edu.pk

ii. All learning material would be available online for international/overseas students after the commencement of classes.

iii. Student shall download the learning material and tally with the course codes for which he/she had been registered in the semester.

iv. Students can get their learning material through AAGHI LMS portal.

Procedure for Fee Payment

International and Overseas Students will have to pay their fee Online as per Guided Procedure:

1. Go to olpay.aiou.edu.pk

2. Enter challan number and click on "search" button.

3. Check & tally your challan details with the generated challan then click on "submit fee" button.

4. Enter credit/debit card number, card holder name, expiry and CVV code (mentioned on back side of card).

5. Click on "pay now" button.

6. A successful payment notification will be appeared with an Order ID.

7. Write Order ID and Transaction Date on the space given below.

8. Save the Order ID in your record till confirmation of your admission.

REGULATIONS FOR REFUND OF ADMISSION FEE

(i) The Applicant/candidate/student who have submitted his/her fee for Admissions but do not wish to continue and applied for refund of fee before the start of his/her study period as per Academic Calendar available on the AIOU website corresponding to his/her respective semester i.e Autumn or Spring, the fees will be refunded after the deduction @ 10% of the total fee.

(ii) The Applicant/Candidate who was not eligible but deposited the fee for admission and applied for refund within one year from the date of fee deposit, the fee shall be refunded after deduction @15% of total fee.

(iii) The student who has deposited his/her fee in excess of due fee that total excess amount shall be refunded or adjusted as the case may be.

(iv) The Treasurer Department shall verify the fee of students and shall send the case to the Audit Department for pre-audit.

(v) The cheque will be issued to the candidate by the Campus Payment Section (CPS), Treasurer's Department.

(vi) In the case of death, the full fee will be refunded through crossed cheque in favour of the Blood Relative of deceased student, after fulfilling all the codal formalities. The refund case must be submitted within one year of fee deposit.

(vii) In case the students who are not allowed/granted admission to a program offered by the University due to less enrollment/non formation of viable group/non offering of courses, full fee will be refunded to them.

(viii) If the admission of an Applicant/Candidate is not matured due to any reason beyond the control of the University or due to unforeseen issues, the whole paid fee, without any deductions shall be refunded to the respective applicant/candidate. The refund case must be submitted within one year of fee deposit.

> **Note:** Beware that University has not authorized any person or private institute to collect payment All the students are instructed to deposit fee by themselves. In case of any discrepancy in admission fee/ admission form the University will not be responsible and the student will have to face the consequences.

REFUND OF OTHER FEE

1. All kind of other fee including but not limited to Degree fee, Re-appear exams fee, change off name / father name, examiner registration fee, tutor registration fee, late assignment evaluation fee, analysis fee, rechecking of answer scripts fee, NOC fee, subject/group change fee, thesis evaluation fee, thesis extension fee, job fee, tender fee etc. will not be refunded. Only excess fee deposited will be refunded/ adjusted.

2. The extension in thesis fee in excess shall be refunded on approval of concerned Dean with certificate that fee was deposited in excess.

3. The amount deposited in university accounts by any person/firm (other than student), by mistake or in excess shall be refunded after verification of the amount deposited

IMPORTANT TELEPHONE NUMBERS

Sr. #	Name	Telephone Nos.
1.	Director Admissions	+92-51-9250043 +92-51-9571501
2.	Controller of Examinations	+92-51-9250012 +92-51-9250013 (Fax)
3.	Director Students Affairs	+92-51-9572400 +92-51-9572401
Directorate of International Collaboration & Exchange		
1.	Dr. Zahid Majeed Director Zahid_majeed@aiou.edu.pk	+92-51-9572450
2.	Sehrish Khan Assistant Director sehrish.khan@aiou.edu.pk	+92-51-9572471
3.	Mr. Muhammad Ajab Superintendent overseas@aiou.edu.pk	+92-51-9572495