

Scheme of Studies

1. Scheme of Studies for Bachelor of Education (BED) 2.5

Program Description:

The B.Ed 2.5 year (14+2.5) program focuses to produce skilled, reflective, and compassionate educators who can make a meaningful impact in the lives of their students and community at large.

The changing landscape of teaching and learning, and the increasing demand of well-trained and committed teachers, are making this degree program not just an academic pursuit but a vital contribution to societal development. This breadth of knowledge ensures that future educators are well-prepared to teach various subjects at different educational levels, from early years to higher levels. The Bachelor of Education (B.Ed) 2.5 year program is designed in accordance with the provisions of the HEC Undergraduate Education Policy V 1.1. to provide students with a comprehensive understanding of teaching and learning process.

Eligibility and admission criteria:

The eligibility requirement for admission in the Bachelor of Education (B.Ed) 2.5 year degree program is 14 years qualification in disciplines other than Education.

Program learning Outcomes:

By the completion of Bachelor of Education (B.Ed) 2.5 year degree program, the graduates will be able to:

- a) Demonstrate a comprehensive understanding of content knowledge, educational theories, instructional strategies, and assessment methods to effectively plan, deliver, and evaluate lessons that engage and support diverse learners.
- b) Apply differentiated student centered instructional techniques to accommodate varied learning styles, abilities, and backgrounds, ensuring all students can succeed academically and socially in an equitable environment to foster collaboration, critical thinking and problem solving skills.
- c) Exhibit a strong commitment to professional ethics, including respect, integrity, and confidentiality, while fostering an inclusive, equitable, and culturally responsive learning environment.
- d) Show a commitment to lifelong learning by staying informed of current research, technological advancements, and innovations in education that enhance instructional effectiveness and contribute to professional growth.

Program structure:

The Bachelor of Education (B.Ed) 2.5 year degree program is structured in accordance with the provisions of the HEC Undergraduate Education Policy V 1.1. and comprises of minimum 84 credit hours (including internship / field experience) spread over five (05) regular semesters. Universities may offer courses 84-90 credit hours provided that the total number of credit hours are reasonably set to achieve the Program Learning Objectives (PLOs) without putting undue burden on students.

Credit Hours	84 credit hours
Major Courses	78 credit hours

Major (78 Credit hours)	Professional Courses Education (Compulsory/Fixed)	36 credit hours (12 courses)
	Practice Teaching (Practical Compulsory/Fixed)	06 Credits (2 courses)
	Pedagogy Courses (Compulsory/Fixed)	18 credit hours (06 courses)
	Specialization Courses (Electives, From Pool of Courses)	18 credit hours (6 courses) – Any One Area of Specialization from pool of Specializations
	Internship	3 credit hours
	Capstone Project/Thesis	3 credit hours
	Program Duration	Minimum: 2.5 Years (05 Semesters) Maximum: 3.5 Years
	Semester Duration	16-18 weeks for regular semesters (1-2 weeks for examination) 8-9 weeks for summer semesters (1 week for examination)
	Course Load (per semester)	15-21 credit hours for regular semesters Up-to 9 credit hours for summer semesters (for remedial/deficiency/failure/repetition courses only)
	3 Credit Hours (Theory)	3 classes (1 hour each) OR 2 classes (1.5 hour each) OR 1 class (3 hours) per week throughout the semester
	1 Credit Hour (Lab / Field Work)	1 credit hour in laboratory or practical work would require lab / field contact of 3 hours per week throughout the semester.

The university / offering department may offer any **Specialization** from the list of **Specializations** given in this document. Any six courses may be selected from the list of elective courses for respective specialization or any other course where required as per its program objectives, university's geographical location and available academic and faculty resources. Credit combination (reflecting balance of theory and lab / field work) must be arranged in accordance with the nature of the course

SEMESTER I

S. No	COURSE	CREDIT HOURS	COURSE CODE	CATEGORY
1	Foundations of Education	3 (3-0)	EDU-501	Major: Professional Course -I
2	Inclusive Education	3 (3-0)	EDU-502	Major: Professional Course-II
3	Educational Psychology	3 (3-0)	EDU-504	Major: Professional Course-III
4	Curriculum Development	3 (3-0)	EDU-505	Major: Professional Course-IV
5	Educational Policies and Plans of Pakistan	3 (3-0)	EDU-506	Major: Professional Course-V
6	Education for Sustainable Development	3 (3-0)	EDU-507	Major: Professional Course-VI
Total Credits (18)				

SEMESTER II

S. No	COURSE	CREDIT	COURSE	CATEGORY
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		HOURS	CODE	
1	Critical thinking and reflective practices	3 (3-0)	EDU-508	Major: Professional Course - VII
2	Educational Assessment and Evaluation	3 (3-0)	EDU-509	Major: Professional Course- VIII
3	School Management	3 (3-0)	EDU-510	Major: Professional Course-IX
4	Contemporary literacies	3 (3-0)	EDU-511	Major: Professional Course-X
5	Teaching profession	3 (3-0)	EDU-512	Major: Professional Course-XI
6	Research Methods in Education	3 (3-0)	EDU-513	Major: Professional Course-XII
Total Credits (18)				

SEMESTER III

S. No	COURSE	CREDIT HOURS	COURSE CODE	CATEGORY
1	Teaching of English	3 (3-0)	EDU-614	Major: Pedagogy Course –I
2	Teaching of Urdu	3 (3-0)	EDU-615	Major: Pedagogy Course- II
3	Teaching of Art, Crafts and Calligraphy	3 (3-0)	EDU-616	Major: Pedagogy Course-III
4	Teaching of Mathematics	3 (3-0)	EDU-617	Major: Pedagogy Course-IV
5	Teaching of Science	3 (3-0)	EDU-618	Major: Pedagogy Course-V
6	Teaching of Social Studies and Islamiat	3 (3-0)	EDU-619	Major: Pedagogy Course-VI
Total Credits (18)				

SEMESTER IV

S. No	COURSE	CREDIT HOURS	COURSE CODE	CATEGORY
1	Specialization Elective Course I	3 (3-0)	EDU-620	Major Elective Course I
2	Specialization Elective Course II	3(3-0)	EDU-621	Major Elective Course II
3	Specialization Elective Course III	3(3-0)	EDU-622	Major Elective Course III
4	Capstone- Project/Thesis	3(0-3)	EDU-623	Capstone- Project/Thesis
5	Practice Teaching I	3 (0-3)	EDU-624	Major – Practical Course
Total Credits (15)				

SEMESTER V

S. No	COURSE	CREDIT HOURS	COURSE CODE	CATEGORY
1	Specialization Elective Course IV	3(3-0)	EDU-625	Major: Elective
2	Specialization Elective Course V	3(3-0)	EDU-626	Major: Elective
3	Specialization Elective Course VI	3(3-0)	EDU-627	Major: Elective
4	Practice Teaching II	3 (0-3)	EDU-628	Major: Practical Course
5	Internship	3(0-3)	EDU-629	Internship
Total Credits (15)				

List of Major Professional Courses (Mandatory for Education Programs in All Specializations)

1. Foundations of Education
2. Inclusive Education
3. Education for Sustainable Development
4. Educational Psychology
5. Research Methods in Education
6. Curriculum Development
7. Critical Thinking and Reflective Practices
8. Educational Assessment and Evaluation
9. School Management
10. Educational Policies and Plans of Pakistan
11. Contemporary Literacies
12. Teaching Profession

List of Major Pedagogy Courses

1. Teaching of English
2. Teaching of Urdu
3. Teaching of Art, Crafts and Calligraphy
4. Teaching of Mathematics
5. Teaching of Science
6. Teaching of Social Studies and Islamiyat

Areas of Specialization (Tracks for Specialization Courses/Electives)

*(The student has to choose any 01-specialization track from this given list of 29 areas of specializations. Once specialization track is chosen, the student shall opt 06 courses from the selected specialization to fulfill requirement of the four-year degree program in Education. In each specialization track, 07 suggestive courses are given. HEIs may add more to the list depending on availability of faculty and resources. **Similarly, more Specialization tracks under Education could also be added by HEIs**)*

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1. Early Childhood Care and Education
 2. Educational Research
 3. Educational Assessment
 4. Child Rights and Safety Education
 5. Educational Policy and Planning
 6. Curriculum Studies
 7. Educational Leadership and Management
 8. Educational Psychology
 9. Guidance and Counseling
 10. Inclusive Education
 11. Literacy and Non-Formal Education
 12. Online and Distance Learning
 13. Quality Assurance in Education
 14. Comparative Education
 15. Teacher Professional Development
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16.	Mathematics Education
17.	STEM Education
18.	Islamic Education
19.	Education for Sustainable Development
20.	Educational Entrepreneurship
21.	Educational Technology
22.	Health and Physical Education
23.	Artificial Intelligence in Education
24.	Special Education (Intellectual Impairments)
25.	Special Education (Visual Impairments)
26.	Special Education (Physical Impairments)
27.	Special Education (Hearing Impairments)
28.	Special Education (Learning Disabilities)
29.	Special Education (Autism Spectrum Disorder)

Specialization 1: Early Childhood Care and Education <i>(Select any Six Courses)</i>	
1.	Child Care and Development
2.	Early Childhood Education: History, Theory & Practice
3.	Early language and Literacy Development
4.	Models of Early Childhood Care and Education
5.	Educational Games at ECE Level
6.	Assessment of Learning in Early Years
7.	Creative Arts and Expression for Early learners
8.	Technology in Early Childhood Education
Specialization 2: Educational Research <i>(Select any Six Courses)</i>	
1.	Data Analysis: Qualitative and Quantitative Techniques
2.	Project Management
3.	Report Writing
4.	Instrument Development
5.	Technology and Tools for Educational Research
6.	Research Methods for Education in the Digital Age
7.	Research Ethics and Professional Writing
8.	Applied Research in Education
Specialization 3: Educational Assessment <i>(Select any Six Courses)</i>	
1.	Test Development
2.	Classroom Assessment Strategies
3.	Alternative Assessment Techniques
4.	Educational Assessment in the Digital Age
5.	Data-driven Decision Making in Educational Assessment
6.	Assessment and Reporting of Students' Learning
7.	Technology based Assessment
8.	Psychometrics and Standardized Testing

Specialization 4: Child Rights and Safety Education <i>(Select any Six Courses)</i>	
1.	Child Development and Child Welfare
2.	Children's Abuse and Safety
3.	Child Protection Law
4.	Creating Safe and Inclusive Learning Environments
5.	Health Care and Hygienic Safety of Children
6.	Child Rights: Global Perspective
7.	Developing Safe Schools
8.	Child Safety and Wellbeing
Specialization 5: Educational Policy and Planning <i>(Select any Six Courses)</i>	
1.	Introduction to Policy and Planning
2.	Educational Policy and Planning in Pakistan
3.	Policy and Planning: Models and Techniques
4.	Challenges of Policy Development and Planning
5.	Policy and Planning in Comparative Perspective
6.	Education Policy and Reform
7.	Education Policy and Practice
Specialization 6: Curriculum Studies <i>(Select any Six Courses)</i>	
1.	Curriculum Planning, Design and Implementation
2.	Curriculum Evaluation and Assessment
3.	Models of Curriculum
4.	Localization and Contextualization of Curriculum
5.	Curriculum Change & Innovation
6.	Curriculum Adaptation
7.	Comparative Curriculum Studies
8.	Instructional Materials Development
Specialization 7: Educational Leadership and Management <i>(Select any Six Courses)</i>	
1.	School Organization and Management
2.	Foundations of Educational Leadership
3.	Educational Laws and Policies
4.	Leadership for Inclusive and Culturally Responsive Schools
5.	Human Resource Management in Education
6.	Human Relations in Schools
7.	Financial Management for School Leaders
8.	Educational Planning & Financing
Specialization 8: Educational Psychology <i>(Select any Six Courses)</i>	
1.	Foundations of Education Psychology
2.	Social and Emotional Learning
3.	Mental Health and Wellbeing in Education
4.	Positive Psychology
5.	Behavioral Management and Classroom Discipline
6.	Cognition and Metacognition
7.	Child Development and Learning

8.	School Psychology
Specialization 9: Guidance and Counselling <i>(Select any Six Courses)</i>	
1.	Guidance and Counselling: Theory and Practice
2.	Counselling Children in Schools
3.	Child Guidance: Theory and Practice
4.	Models of Counselling
5.	Career Counselling in Schools
6.	Mental Health and Wellbeing in Schools
7.	Counseling Theories and Techniques
Specialization 10: Inclusive Education <i>(Select any Six Courses)</i>	
1.	Inclusive Education: Theory and Practice
2.	Assessment in Inclusive Education
3.	Inclusive School Leadership
4.	Inclusive Classroom Pedagogies
5.	Creating Inclusive Schools
6.	Comparative Perspectives of Inclusive Education
7.	Instructional Adaptation for Inclusion
Specialization 11: Literacy and Non-Formal Education <i>(Select any Six Courses)</i>	
1.	Introduction to Literacy and Non-Formal Education
2.	Approaches and Methods of Non-Formal Education
3.	Global Practices for Literacy and Non-Formal Education
4.	Non-Formal Education and Innovative Teaching Strategies
5.	Designing Literacy Programs for Marginalized Groups
6.	Foundations of Literacy
7.	Digital Literacy for Education
Specialization 12: Online and Distance Education <i>(Select any Six Courses)</i>	
1.	Instructional Design for Online Learning
2.	Theories and Models of Distance Education
3.	Technology Tools and Platforms for Distance Learning
4.	Pedagogy and Best Practices in Online Teaching
5.	Leadership in E-Learning and Distance Education
6.	Designing and Implementing e-Learning
7.	Distance Education: Global Challenges and Trends
Specialization 13: Quality Assurance in Education <i>(Select any Six Courses)</i>	
1.	Fundamentals of Quality Management
2.	Total Quality Management in Education
3.	Quality Tools and Techniques for Schools
4.	Quality Control and Inspection of Schools
5.	Quality Auditing in Schools
6.	Introduction to Quality Assurance in Education
7.	Managing Educational Quality
Specialization 14: Comparative Education <i>(Select any Six Courses)</i>	
1.	Models of Comparative Education
2.	Education in Muslim World: Comparative Perspective
3.	Education in Developed World: Comparative Perspective

4.	Global Education: Trends and Challenges
5.	Educational Effectiveness and Ineffectiveness
6.	Introduction to Comparative and International Education
7.	Education and Social Change: Comparative Perspective
Specialization 15: Teacher Professional Development <i>(Select any Six Courses)</i>	
1.	Teacher Education Theories and Models
2.	Teacher Education in Pakistan: Historical Perspective
3.	Teacher Education in Islamic Perspective
4.	Teacher Education in Global Perspective
5.	Teacher Education: Problems and Prospects
6.	Professional Development for Teachers
7.	Transforming Teacher Learning with Technology
Specialization 16: Mathematics Education <i>(Select any Six Courses)</i>	
1.	Calculus
2.	Plane Curves & Analytical geometry
3.	Vectors & Mechanics
4.	Linear Algebra and Ordinary Differential Equations
5.	Metric Spaces & Group Theory
6.	Mathematical Thinking and Learning
7.	Mathematics Education in 21 st Century
Specialization 17: STEM Education <i>(Select any Six Courses)</i>	
1.	Instructional Scaffolding in STEM Education
2.	Integrating STEM Education Methods
3.	Introduction to STEM Education
4.	STEM Curriculum Design and Instructional Materials
5.	Learning in STEM
6.	Innovative STEM Education
7.	Technology in STEM Education
Specialization 18: Islamic Education <i>(Select any Six Courses)</i>	
1.	Islamic Pedagogy and Teaching Methods
2.	Foundations of Islamic Education
3.	Quranic Teachings and Modern World
4.	Islamization of Education
5.	Seerat Un Nabi (PBUH)
6.	Islamic Education Leadership and School Management
7.	Comparative Islamic and Western Education Systems
Specialization 19: Education for Sustainable Development <i>(Select any Six Courses)</i>	
1.	Principles and Practices of Education for Sustainable Development
2.	Global Citizenship Education and Sustainability
3.	Change Management for Sustainable Development
4.	Global Challenges and Sustainable Futures
5.	Community Engagement and Sustainable Development
6.	Foundations of Education for Sustainable Development
7.	Sustainability and Development Education
Specialization 20: Educational Entrepreneurship <i>(Select any Six Courses)</i>	
1.	Foundations of Educational Entrepreneurship

2.	Design Thinking for Education Innovation
3.	Building and Scaling Educational Ventures
4.	Education Technology and Entrepreneurship
5.	Social Entrepreneurship in Education
6.	Leadership and Educational Entrepreneurship
7.	Educational Entrepreneurship: Innovation in Learning
Specialization 21: Educational Technology <i>(Select any Six Courses)</i>	
1.	Instructional Design and Technology
2.	Emerging Technologies in Education
3.	Learning Analytics and Educational Data
4.	Mobile and Online Learning Development
5.	Learning Management Systems (LMS) and E-Learning Tools
6.	Digital Teaching and Learning
7.	Gamification and Interactive Learning
Specialization 22: Health and Physical Education <i>(Select any Six Courses)</i>	
1.	Foundations of Health and Physical Education
2.	Kinesiology and Exercise Science
3.	Health Education and Wellness Promotion
4.	Sports Coaching and Pedagogy
5.	Inclusive Physical Education
6.	Teaching Health Education in Schools
7.	Physical Education for 21 st Century Schools
Specialization 23: Artificial Intelligence in Education <i>(Select any Six Courses)</i>	
1.	Introduction to Artificial Intelligence in Education
2.	Artificial Intelligence in Schools
3.	Artificial Intelligence for Teachers and Education Leaders
4.	Artificial Intelligence Supported Educational Technologies
5.	Artificial Intelligence in Education: Ethics and Impacts
6.	Future Trends and Innovations in AI for Education
7.	Artificial Intelligence Powered Learning Tools and Platforms
Specialization 24: Special Education (Intellectual Impairments) <i>(Select any Six Courses)</i>	
1.	Introduction to Intellectual and Developmental Disabilities
2.	Teaching Children with Intellectual and Developmental Disabilities
3.	Transition Planning for Students with IDD
4.	Assessment Practices for Intellectual and Developmental Disability
5.	Functional and Independent Living Skills for Children with IDD
6.	Behavior Management of Children with IDD
7.	Assistive Technologies for Students with IDD
Specialization 25: Special Education (Physical Impairments) <i>(Select any Six Courses)</i>	
1.	Teaching Children with Physically Impairment
2.	Assistive Technologies for Children with Physical and Health Impairment
3.	Etiology of Physical and Health Impairment
4.	Curriculum Development in Physical Education
5.	Management of Physical and Health Impairment
6.	Educational Adaptation for Children with Physical and Health Impairment
7.	Accessible Learning Environment for Children with Physical and Health Impairment
Specialization 26: Special Education (Hearing Impairments) <i>(Select any Six Courses)</i>	

1.	Teaching Children with Hearing Impairment
2.	Assistive Technologies for Children with Hearing Impairment
3.	Sign Language
4.	Audiology and Hearing Disorder
5.	Speech and Language Development
6.	Inclusion and Accessibility for Deaf and Hard-of-Hearing Students
7.	Cognitive and Social-Emotional Development in Deaf Children
Specialization 27: Special Education (Visual Impairments) <i>(Select any Six Courses)</i>	
1.	Teaching Children with Visual Impairments
2.	Assistive Technologies for Children with Visual Impairments
3.	Braille Literacy, Tactile and Digital Learning for Blind Students
4.	Etiology of Visual Impairments
5.	Orientation and Mobility Skills for Visual Impairments
6.	Cognitive and Social-Emotional Development in Children with Visual Impairments
7.	Inclusive Education and Accessibility for Students with Visual Impairments
Specialization 28: Special Education (Learning Disabilities) <i>(Select any Six Courses)</i>	
1.	Teaching Children with Learning Disabilities
2.	Assistive Technologies and Digital Learning for Children with Learning Disabilities
3.	Etiology of Learning Disabilities
4.	Intervention and Assessment of Learning Disabilities
5.	Cognitive and Neurodevelopmental Approaches to Learning Disabilities
6.	Instructional and Management Strategies for Learning Disabilities
7.	Behavioral and Emotional Regulation Strategies for Students with Learning Disabilities
Specialization 29: Special Education (Autism Spectrum Disorders) <i>(Select any Six Courses)</i>	
1.	Teaching Children with Autism Spectrum Disorders
2.	Assistive Technologies and Communication Strategies for Children with Autism Spectrum Disorders
3.	Autism Spectrum Disorders: Nature, Needs and Etiology
4.	Assessment of Children with Autism Spectrum Disorder
5.	Neuroscience and Autism: Understanding the Brain
6.	Therapeutics Interventions in Autism Spectrum Disorder
7.	Social-Emotional Learning and Autism: Strategies for Inclusion