

# **Program Road Map**

## **Applicable from Fall 26**

### **UMT Vision**

*Our vision is Learning.* It defines our existence, inspires all stakeholders associated with us, creates a powerful momentum inside, and responds to the challenges outside. It continues to evolve as present captures new realities and foresight unfolds new possibilities. All in an incessant attempt to help individuals and organizations discover their God-given potential to achieve Ultimate Success actualizing the highest standards of efficiency, effectiveness, excellence, equity, trusteeship and sustainable development of global human society.

### **UMT Mission**

*Our mission is leading.* We aspire to become a learning institution and evolve as the leading community for the purpose of integrated development of the society by actualizing strategic partnership with stakeholders, harnessing leadership, generating useful knowledge, fostering enduring values, and projecting sustainable technologies and practices.

### **SSSH Vision**

School of Social Sciences and Humanities (SSS&H) foresees itself as the most trusted local and global center of excellence contributing not only to equality but also to equity in the disciplines of social sciences seeking its paths from divine guidance as well as sciences.

### **SSSH Mission**

Our mission is to contribute in developing a progressively balanced society by producing skilled, enlightened, and dedicated intellectual social scientists who can always foresee, plan, lead, and execute creative as well viable solutions to the national and global human problems.

### **Dept. of Education Vision**

To become an internationally well-recognized research-oriented platform for pre-service & in-service teacher education as well as educational leadership & management programs.

### **Dept. of Education Mission**

Our mission is to contribute to developing knowledgeable, skilled and professional individuals who can contribute to the human development for a sustainable peaceful society for the present and future generations.

### **Bachelor of Education Program Vision**

BS Education program desires not only to equip graduates with the futuristic professional competence according to the local and global standards, required to learn, teach, and lead in the competitive research oriented educational scenario, but also with moral and ethical values for the holistic development of their students.

### **Bachelor of Education Program Mission**

BS Education programme focuses on bringing social change by equipping the prospective teachers not only with the pedagogical skills required to lead and learn in the global educational scenario but also with Islamic ideology and values for a holistic development of their students.

### **Program Educational Objectives**

By the completion of Bachelor of Education (B.Ed) 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 Learning Outcomes

After successful completion of the program, the graduates will be able to:

PLO #	PLO Title	Description
1	<b>Subject Matter Knowledge</b>	Evaluate the existing curriculum, content, theories, and practices related to education in local and global perspective to apply in their context.
2	<b>Human Growth and Development</b>	Relate teaching-learning with real-life examples considering the physical, psychological, social, and moral development of students to develop critical and creative thinking among students.
3	<b>Knowledge of Islamic Ethical Values/social life skills</b>	Exhibit the understanding of Islamic/Religious, ethical and professional values in their professional and social life to promote equity and equality for learning and development of the students'.
4	<b>Instructional Planning and Strategies</b>	Apply and utilize academic planning skills in their specialized areas and content areas to improve students' learning considering multiple factor e.g. content, curriculum, community, educational theories.
5	<b>Students' Assessment</b>	Evaluate, select, and develop assessment strategies/tools/tests appropriate to measure students' learning, considering curriculum requirements and learning objectives to improve both students' and their own performance.
6	<b>Learning Environment</b>	Create a safe, conducive and inclusive learning environment supported by educational theories in the context of local and global needs and standards.
7	<b>Effective Communication and use of Information and Communication Technologies</b>	Use appropriate and effective academic communication skills, and Integrate ICT and emerging technologies in their teaching.
8	<b>Collaboration and Partnership</b>	Improve teaching-learning scenario by developing relationship with colleagues, parents, community and local as well as global platforms/organizations.
9	<b>Continuous Professional Development and Code of Conduct</b>	Meet the required standards of professional and academic integrity by pursuing and searching opportunities for their professional growth and development.
10	<b>Teaching of English as FL/SL</b>	Teach English effectively by showing their understanding of context related ELT pedagogy.

## General Information: Program Scheme of Studies Eligibility Criteria:

(Minimum Criteria for Admission)	<p>a. 12 years of education or equivalent with minimum 2<sup>nd</sup> division, 45% marks or equivalent, in case of less than 45% marks, approval from competent authority is required.</p> <p>b. 14 years qualification (conventional BA/BSc/equal) with 45% marks in annual system</p> <p>c. ADE/ADP or equal with CGPA 2.00 in semester system</p> <p>As per HEC 2023/NCRC2025 policy, b &amp; c criteria holders may be admitted to 5<sup>th</sup> semester, anyhow bridging semester/deficiency courses may be offered to them.</p>
<b>Duration:</b> (Years of study)	<p>a. 4 - 6 for 12 years qualification</p> <p>b. 2 - 3.5 for 14 years/ADE/ADP qualification</p>
<b>Semester Duration:</b> (Weeks)	18
<b>Semesters:</b>	<p>a. 8 -12 for 12 years qualification</p> <p>b. 4 -7 for 14 years/ADE/ADP qualification</p> <p><b>with Single major</b>, in case of double major or one minor or any other allowed combination, time may exceed accordingly</p>
<b>Course Load per Semester:</b> (Credit Hours)	15-21
<b>Number of Courses per semester:</b>	5-7 (8 courses in special circumstance but credit hrs may not exceed 21)
<b>Structure of the Scheme</b>	
<b>Courses Credit Hours</b>	<p>a. for 12 years qualification =136</p> <p>b. for 14 years BA/BSc = 87</p> <p>c. for ADE/ADP</p> <p>AD holders may be exempted already studied courses in their Associate Degree on case to case basis as per HEC 2023 policy. In such case, the student has to complete the remaining credit hours at UMT e.g. credit hrs of B.Ed 4 years - exempted/transferred Cr Hrs</p>
<b>General Education courses:</b> (Credit Hours)	35 (16)
<b>Major Education Courses (Credit Hours)</b>	<b>83</b>
a. Professional Courses Education (Compulsory-Fixed)	39 (13 courses)
b. Class Observation and Practice Teaching (Practical-Fixed)	8 (2+3+3) (3 courses)
c. Pedagogy Courses (Compulsory-Fixed)	18 (6 courses )
d. Specialization Courses (Electives)	18 (6 courses )
<b>Interdisciplinary</b>	<b>12 (4 courses)</b>
<b>Capstone Project/Thesis</b>	3
<b>Internship</b> (to be offered as per HEC/NCRC policy)	3
<b>Total Credit Hours:</b>	136

### Semester Wise Roadmap

Year One							
Semester 1				Semester 2			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
EN110	Functional English (Eng I)	3+0	NA	MA101	Calculus (QR2)	3+0	Functional English (Eng 1)
SD221	Life and Learning	2+0	NA	EN123	Expository Writing (English II)	3+0	NA
SOC102	Understanding Society & Socio-Cultural Dynamics	2+0	NA	POL121	Pakistan: Ideology, Constitution and Society	2+0	NA
IS135	Computer Applications	3(2+1)	NA	ED214	Foundations of Education	3+0	NA
ED218	Teaching Profession	3+0	NA	ED116	Critical Thinking and Reflective Practices	3+0	NA
ED 334	Educational Psychology	3+0	NA	ED119	Inclusive Education	3	NA
ITC 111	Fehm e Quran1/Understanding of Quran I	1(0+1)	NA	ITC122	Fehm e Quran2 /Understanding of Quran II	1(0+1)	NA
<b>Semester Credit Hours</b>		17		<b>Semester Credit Hours</b>		18	

Year Two							
Semester 3				Semester 4			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
POL101	Pakistan Studies	2+0	NA	MG224	Innovation and Entrepreneurship	2+0	NA
CH211	Everyday Science	2+0	NA	SD210	Civics and Community Engagement	2+0	NA
QM111	Quantitative Skills and Reasoning QR1)	3+0	NA	ISL112	Islamic Thought & Perspectives	2+0	NA
ED 215	Curriculum Development	3+0	NA	ED318	Education for sustainable development	3+0	NA
ED217	Educational assessment and evaluation	3+0	NA	ED221	Educational policies and plans of Pakistan	3+0	NA
ED220	Contemporary literacies	3+0	NA	ED222	School Observation	2+0	NA
ED443	Teaching of Science	3+0	NA	ED223	Teaching of Urdu	3+0	NA
				AI 210	Think AI	2+0	NA
<b>Semester Credit Hours</b>		<b>19</b>		<b>Semester Credit Hours</b>		<b>19</b>	

Year Three							
Semester 5				Semester 6			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
ED332	Environmental Studies/or equal	3+0	NA	QM120	Introduction to Statistics / or equal	3+0	NA
ED355	Guidance and Counselling/or equal	3+0	NA	ED303	Research Methods in Education	3+0	NA
Ed356	School Management	3+0	NA	ED 410	Teaching of English	3+0	NA
ED357	Teaching of social studies and Islamiyat	3+0	NA	ED107	Teaching of art craft and calligraphy	3+0	NA
Multiple	Specialization course 1	3+0	NA	Multiple	Specialization course 2	3+0	NA
ED333	AI in Classroom	3+0	NA	SD100	English Immersion	0 (NC)	NA
<b>Semester Credit Hours</b>		<b>18</b>		<b>Semester Credit Hours</b>		<b>15</b>	

Year Four							
Semester 7				Semester 8			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
ED460	Practice Teaching 1	3+0	NA	ED444	AI in Education	3+0	NA
ED446	Teaching of Mathematics	3+0	NA	ED461	Practice Teaching 2	3+0	NA
Multiple	Specialization course 3	3+0	NA	Multiple	Specialization course 5	3+0	NA
Multiple	Specialization course 4	3+0	NA	Multiple	Specialization course 6	3+0	NA
ED470	Internship	3+0	NA	ED490	Capstone Project/Thesis	3+0	Research Methods in Education
SD102	21 <sup>st</sup> Century Skills	0 (NC)					
<b>Semester Credit Hours</b>		<b>15</b>		<b>Semester Credit Hours</b>		<b>15</b>	

**Internship:** Internship shall be offered in Summer semester preferably after 6<sup>th</sup> semester

## Minors

All minors available at UMT are optional for participants (choice of minor may depend upon their intermediate subjects) and will be considered part of the scheme of studies. A minor will be of minimum 12 CrH, (4 courses)

**2<sup>nd</sup> Major:** Participants may choose any Undergraduate discipline available at UMT as a 2<sup>nd</sup> Major as per HEC and UMT policy. In this case fee, duration of the degree and credit hours may increase accordingly.

## Roadmap for Post ADP/Lateral Entry /BA/BSc

### General Information

**BA/BSc/Equal 14 years conventional degree  
ADP other than Education**

Distribution of Courses	Courses	Credit hours	Cumulative Cr.Hrs.
Professional Courses Education (Compulsory/fixed)	13	39	39
Practice Teaching (Compulsory/Fixed)	2	6	45
Pedagogy Courses (compulsory/Fixed)	6	18	63
Specialization Courses (Electives)	6	18	81
Internship	1	3	84
Capstone Project	1	3	87
Non-credit courses	2	NC	

### SEMESTER WISE ROADMAP TABLE (2-2.5 Years Post ADP)

<b>Eligibility Criteria:</b> (Minimum Criteria for Admission)	a.14 years qualification (conventional BA/BSc/equal) with 45% marks in annual system b. ADE/ADP or equal with CGPA 2.00 in semester system
<b>Duration:</b> (Years of study)	2 – 3.5 years depending upon previous degree (ADE/ADP or BA/BSc) and exempted/transferred/accepted courses
<b>Semester Duration: (Weeks)</b>	16-18
<b>Semesters:</b>	For ADE holders= 4 - 6 For 14 years conventional BA/BSc/Equal or ADP (other than education) = 5 - 7
<b>Course Load per Semester:</b> (Credit Hours)	15-21
<b>Number of Courses per semester:</b>	5-7
<b>Structure of the Scheme</b>	
<b>Course Credit Hours</b>	For 14 years conventional BA/BSc/Equal or ADP (other than education) = 87
<b>Major Education Courses (Credit Hours)</b> a. Professional Courses Education (Compulsory-Fixed) b. Class Observation and Practice Teaching (Practical-Fixed) c. Pedagogy Courses (Compulsory-Fixed) d. Specialization Courses (Electives area of specialization)	<b>81</b> 39 (13 courses) 6 (2 courses) 18 (6 courses) 18 (6 courses)
<b>Capstone Project/Thesis</b>	3
<b>Internship</b>	3
<b>Total Credit Hours:</b>	<b>87 (69+18)</b>
<b>Courses Credit Hours</b>	For ADE/ADP holders *Associate Degree holders may be exempted already studied courses in their Associate Degree by the UMT on case to case basis as per HEC 2023 UGE policy. In such case, the student has to complete the remaining credit hours at UMT e.g. credit hrs of B.Ed 4 years - exempted/transferred Cr Hrs
<b>Proposed Fee</b>	To be calculated based on the number of studied courses.

Year One							
Bridging Semester				Semester 1			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
ED 214	Foundations of Education	3+0	NA	ED217	Educational assessment and evaluation	3+0	NA
ED116	Critical Thinking and Reflective Practices	3+0	NA	ED333	AI in Classroom	3+0	NA
ED 215	Curriculum Development	3+0	NA	ED218	Teaching Profession	3+0	NA
ED119	Inclusive Education	3+0	NA	ED356	School Management	3+0	NA
ED223	Teaching of Urdu	3+0	NA	ED357	Teaching of social studies and Islamiyat	3+0	NA
ED 443	Teaching of Science	3+0	NA	As per 4 years program list	Specialization course 1	3+0	NA
<b>Semester Credit Hours</b>		<b>18</b>		<b>Semester Credit Hours</b>		<b>18</b>	

Year Two							
Semester 2				Semester 3			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
ED221	Educational policies and plans of Pakistan	3	NA	As per 4 years program list	Specialization course 3	3	NA
ED410	Teaching of English	3	NA	As per 4 years program list	Specialization course 4	3	NA
ED107	Teaching of art, craft and calligraphy	3	NA	ED446	Teaching of Mathematics	3	NA
ED344	Educational Psychology	3	NA	ED460	Practice Teaching 1	3	NA
ED303	Research Methods in Education	3	NA	ED470	Internship	3	NA
As per 4 years program list	Specialization course 2	3	NA	SD100	English Immersion	NC	NA
				ED220	Contemporary literacies (M-PCE)	3	NA
<b>Semester Credit Hours</b>		<b>18</b>		<b>Semester Credit Hours</b>		<b>18</b>	

<b>Semester 4</b>			
<b>Code</b>	<b>Course Title</b>	<b>Cr. Hrs.</b>	<b>Prerequisite</b>
ED318	Education for sustainable development	3	NA
As per 4 years program list	Specialization course 5	3	NA
As per 4 years program list	Specialization course 6	3	NA
ED461	Practice Teaching 2	3	NA
ED490	Capstone Project/Thesis	3	NA
SD102	21 <sup>st</sup> Century Skills (NC)	NC	NA
<b>Semester Credit Hours</b>		<b>15</b>	

**Internship:** Internship shall be offered in Summer semester preferably in the last year

**Note:**

Roadmap for ADE holders and migrated participants will be developed on case-to-case basis after reviewing their transcripts and exemption/transfer of credits by competent authority of UMT as per HEC Policy 2023 (NCRC 2025)

## Roadmap for Associate Degree in Education-(ADE) - 2 years

Students enrolled in B.Ed four year degree program are allowed to exit with Associate Degree in Education provided that they have completed the requirements of the first-four semesters of the B.Ed program as prescribed by HEC and NCRC . An Associate Degree program is structured to be comprised of four regular semesters (HEC UG 2023-NCRC 2025)

### General Information

<b>Eligibility Criteria:</b> (Minimum Criteria for Admission)	12 years of education or equivalent with minimum 2 <sup>nd</sup> division, 45% marks or equivalent, in case of less than 45% marks, approval from competent authority is required.
<b>Duration:</b> (Years of study)	2 years
<b>Semester Duration:</b> (Weeks)	18
<b>Semesters:</b>	Preferably at least 4
<b>Course Load per Semester:</b> (Credit Hours)	15-21
<b>Number of Courses per semester:</b>	5-7 (may be up to 8 in special caes, but credit hours may not exceed 21 )
<b>Structure of the Scheme</b>	
<b>Course Credit Hours</b>	73
<b>General Education courses:</b> (Credit Hours)	35 (courses:16)
<b>Major Education Courses</b> (Credit Hours)	38 (courses:13)
a. Professional Courses Education (Compulsory-Fixed)	30 (courses:10)
b. Class Observation and Practice Teaching (Practical-Fixed)	02 (course:1)
c. Pedagogy Courses (Compulsory-Fixed)	6 (courses:2)
<b>Total Credit Hours:</b>	73
<b>CGPA to claim/Qualify for ADE</b>	<b>2.00 or as per policy</b>
<b>Proposed Fee</b>	To be calculated based on the number of studied courses/credit hours

### SEMESTER WISE ROADMAP TABLE (2 Years ADE)

Semester 1	Semester 2	Semester 3	Semester 4
Understanding Society and Sociocultural dynamics (GE-SS) 2 Cr	Calculus (GE-QR2) 3 Cr	Pakistan Studies (2 Cr) (GE)	Islamic Thought & Perspective (GE) 2 Cr.
Life & Learning (GE-AH) 2 Cr.	Expository Writing (GE-Eng 2) 3 Cr	Everyday Science (GE-NS) 2 Cr.	Civics and Community Engagement (GE) 2 Cr.
Functional English (GE-Eng 1) 3 Cr.	Pakistan: Ideology, Constitution and Society (GE) 2 Cr.	Quantitative Skills and Reasoning (GE-QR1) 3 Cr	Innovation and Entrepreneurship (GE) 2 Cr
Computer Applications (GE-ICT) 3 Cr.	Foundations of Education (M-PCE) 3 Cr	Curriculum Development (M-PCE) 3 Cr	Education for sustainable development (M-PCE) 3 Cr
Teaching Profession (M-PCE) 3 Cr	Critical Thinking and Reflective Practices (M-PCE) 3 Cr	Educational assessment and evaluation (M-PCE) 3 Cr	Educational policies and plans of Pakistan(MPCE) 3 Cr
Educational Psychology (M-PCE) 3 Cr	Inclusive Education (M-PCE) 3 Cr	Contemporary literacies (M-PCE) 3 Cr	School Observation (M-SOP) 2 Cr
Fehm e Quran1/Understanding of Quran I (GE) 1 Cr.	Fehm e Quran2/Understanding of Quran II (GE) 1 Cr.	Teaching of Science (MPC) 3 Cr/or equal	Teaching of Urdu (MPC) 3 Cr/or equal
			Think AI. 2 Cr
17	18	19	19

Distribution of Courses	Courses	Credit hours	Cumulative Cr.Hrs.
<b>General Education courses as per HEC / NCRC and UMT 2.0</b>	<b>16</b>	<b>35</b>	<b>35</b>
<b>Professional Courses Education (Compulsory/fixed)</b>	<b>10</b>	<b>30</b>	<b>65</b>
<b>Class Observation and Practice Teaching (Compulsory/Fixed)</b>	<b>1</b>	<b>02</b>	<b>67</b>
<b>Pedagogy Courses (compulsory/Fixed)</b>	<b>2</b>	<b>06</b>	<b>73</b>

**A per HEC/NCRC internship/field experience /thesis is not mandatory for Associate degree in Education. If there is any requirement at later stages, it may be incorporated in the ADE roadmap accordingly.**

### Semester Wise Roadmap

Year One							
Semester 1				Semester 2			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
EN110	Functional English (Eng I)	3+0	NA	MA 101	Calculus (QR2)	3+0	NA
SD221	Life and Learning	2+0	NA	EN123	Expository Writing (English II)	3+0	NA
SOC102	Understanding Society & Socio-Cultural Dynamics	2+0	NA	POL 121	Pakistan: Ideology, Constitution and Society	2+0	NA
IS135	Computer Applications	3(2+1)	NA	ED 214	Foundations of Education	3+0	NA
ED218	Teaching Profession	3+0	NA	ED116	Critical Thinking and Reflective Practices	3+0	NA
ED 334	Educational Psychology	3+0	NA	ED119	Inclusive Education	3	NA
ITC 111	Fehm e Quran1/Understanding of Quran I	1(0+1)	NA	ITC 122	Fehm e Quran2 /Understanding of Quran II	1(0+1)	NA
<b>Semester Credit Hours</b>		17		<b>Semester Credit Hours</b>		18	

Year Two							
Semester 3				Semester 4			
Code	Course Title	Cr. Hrs.	Prerequisite	Code	Course Title	Cr. Hrs	Prerequisite
POL101	Pakistan Studies	2+0	NA	MG224	Innovation and Entrepreneurship	2+0	NA
CH211	Everyday Science	2+0	NA	SD210	Civics and Community Engagement	2+0	NA
QM111	Quantitative Skills and Reasoning (QR1)	3+0	NA	ISL112	Islamic Thought & Perspectives	2+0	NA
ED 215	Curriculum Development	3+0	NA	ED318	Education for sustainable development	3+0	NA
ED217	Educational assessment and evaluation	3+0	NA	ED221	Educational policies and plans of Pakistan	3+0	NA
ED220	Contemporary literacies	3+0	NA	ED222	School Observation	2+0	NA
ED443	Teaching of Science or equal	3+0	NA	ED223	Teaching of Urdu or equal	3+0	NA
				AI 210	Think AI	2+0	NA
<b>Semester Credit Hours</b>		19		<b>Semester Credit Hours</b>		19	