

Eligibility criteria for the M.Tech., M.Pharm., Master of Urban Planning (MUP) and M.Sc. Programmes 2019

2 A) Minimum Eligibility Criteria for the M.Tech. programmes (MEC - PG1):

1. Candidates must hold EITHER a
 - a). B.E. / B.Tech. / AMIE / MCA / equivalent degree in the appropriate disciplines / branches mentioned below for the respective courses, with a minimum 55% marks in average (50% for SC/ST) in graduation / MCA.
OR
 - b). M.Sc. / M.A. degree or equivalent in the appropriate disciplines / branches mentioned below for the respective courses with 55% (50% for SC/ST), after graduating with a Bachelor's Degree or equivalent qualification in 10+2+3 system from a recognized University.
2. Candidates should preferably be GATE 2017 / GATE 2018 / GATE 2019 qualified. Non-GATE candidates may also apply. However, their applications will be considered only after applicants who have qualified in GATE have been considered for admission.
3. Candidates appearing for final examinations of their Bachelor's programme in 2019 can also apply and if selected can join the programme provisionally. At the time of the counselling they must bring a certificate in original from the Principal of Institute stating that:
 - a) by 30 June 2019, he/she will have appeared for examination in all subjects required for obtaining his/her Bachelor's degree.
 - b) He/she has obtained requisite marks [55% (50% for SC/ST) upto pre-final year / semester] or equivalent based on latest available grades / marks.

Provisionally selected candidates will be required to sign an undertaking at the time of admission on Non-Judicial Stamp Paper of Rs. 20/- (as format given in Sec-9).

Further, their admission will be confirmed only when they submit the mark sheet and a certificate of having passed the Bachelor's degree / equivalent qualification with at least 55% marks (50% in case of SC/ ST). They must submit proof of passing their final examinations with requisite marks by 31 October 2019. Non-fulfillment of this condition will automatically result in the cancellation of the provisional admission.

4. Candidates with qualifications acquired through correspondence or distance-learning programmes are eligible only if (a) the programmes are recognized by the tripartite panel of AICTE-UGC-DEC,
(b) they have passed the qualifying examination at the time of applying, with minimum 55% marks in average (50% for SC/ST) calculated as per item (1) above. They must enclose photocopy of pass certificate, marksheets of qualifying examination and proof of the programme recognized by the AICTE-UGC-DEC in letter head of the Institute / College / University with their application form. [Appearing candidate in distance learning programmes, whose results are yet to be declared, are not eligible to apply].

Please see Selection Procedures for details. Please also see footnote below.

Notes:

(1) Candidates with foreign diplomas should see the EdCIL website for equivalence (<http://www.edcil.co.in>), and if required should obtain an equivalence certificate from the evaluation division of the AIU (website <http://www.aiuweb.org>).

(2) In case any Board / University awards grades instead of marks, the calculation of equivalent marks would be based on the procedure prescribed by the Board / University. In case a University does not have any scheme for converting CGPA into equivalent marks, the equivalence would be established by dividing obtained CGPA with the maximum possible CGPA and multiplying the resultant with 100.

(3) At any level of the studies [class X, class XII or graduation], a candidate / applicant must have passed all the required subjects at that level from the same board/ University.

M.Tech. Programmes at BIT Mesra (Main Campus) & its Off Campus, Patna:

Other Criteria in addition to the Minimum Eligibility Criteria (MEC - PG1) above:

Department offering the course	M.Tech. Programme	Specialization(s) offered	Eligible Branches	GATE Scholarships available
Production Engineering	Automated Manufacturing Systems	-	B.E. / B.Tech. in Production / Manufacturing / Mechanical / Industrial Engineering / Electronics & Communication / Computer Science / Mechatronics / Electrical	Available
Bio-Engineering	Biotechnology		B.E. / B.Tech. in Biotechnology / Biochemical Engineering / Chemical Engineering / Food Technology / B. Pharm or equivalent OR M.Sc. in Biotechnology / Biochemistry / Microbiology / Plant Biotechnology	Available
Chemical Engineering	Chemical Engineering	-	B.E. / B.Tech. in Chemical / Polymer / Metallurgical & Materials / Biotechnology, Food & Biochemical / Chemical Technology or equivalent	Not Available
Civil & Environmental Engineering	Civil Engineering	a) Soil Mechanics & Foundation Engineering	B.E. / B.Tech. in Civil	Available
		b) Structural Engineering	B.E. / B.Tech. in Civil	Available
	Environmental Science & Engineering	-	B.E./ B.Tech. or equivalent in any branch of Engineering OR M.Sc. in Environmental Sciences or equivalent degree in any branch of Life Sciences and Biological Sciences	Available
Mechanical Engineering	Mechanical Engineering	a) Heat Power	B.E. / B.Tech. in Mechanical / Chemical / Marine	Available
	Mechanical Engineering	b) Design of Mechanical Equipment	B.E. / B.Tech. in Mechanical / Production	Available
	Energy Technology	-	B.E. / B.Tech. in any discipline / B.Arch. OR M.Sc. in Physics / Chemistry / Mathematics	Available
	Computer Aided Analysis & Design (CAAD)	-	B.E. / B.Tech. in Mechanical Engineering / Production Engineering / Manufacturing Engineering / Automobile Engineering / Aeronautical Engineering	Available

Department offering the course	M.Tech. Programme	Specialization(s) offered	Eligible Branches	GATE Scholarships available
Computer Science & Engineering	Computer Science & Engineering	-	B.E. / B.Tech. in Computer Science / Information Technology / Electronics / Electrical or equivalent OR MCA or M.Sc. in Computer Science / Information Technology / Electronics or equivalent with Mathematics at Graduate level	Available at Mesra & Patna
	Information Security	-	B.E. / B.Tech. in Computer Science / Information Technology / Electronics / Electrical or equivalent OR MCA or M. Sc in Computer Science / Information Technology / Electronics or equivalent with Mathematics at Graduate level	Available
	Information Technology	-	B.E. / B.Tech. in Computer Science / Information Technology / Electronics / Electrical or equivalent OR MCA or M. Sc in Computer Science / Information Technology / Electronics or equivalent with Mathematics at Graduate level	Available
Electrical & Electronics Engineering	Electrical Engineering	a) Power Systems	B.E. / B.Tech. in Electrical / Electrical & Electronics or equivalent	Available
		b) Control Systems	B.E. / B.Tech. in Electrical / Electronics & Communication / Electrical & Electronics / Electrical Instrumentation & Control or equivalent	Available
		c) Power Electronics	B.E. / B.Tech. in Electrical / Electrical & Electronics / Electronics & Communication / Instrumentation & Control or equivalent	Available
Electronics & Communication Engineering	Electronics & Communication Engineering	a) Instrumentation	B.E. / B.Tech. in Electronics & Communication / Instrumentation or equivalent	Available
		b) Microwave	B.E. / B.Tech. in Electronics & Communication or equivalent	Available
		c) Wireless Communication	B.E. / B.Tech. in Electronics & Communication or equivalent	Available at Mesra & Patna

Department offering the course	M.Tech. Programme	Specialization(s) offered	Eligible Branches	GATE Scholarships available
Remote Sensing	Remote Sensing	-	a) B.E. / B.Tech. in any branch of Engineering or B.Arch., OR b) Masters degree in Agriculture / Atmospheric Sciences / Botany / Climatology / Chemistry / Computer Applications / Computer Science / Disaster Management / Electronics / Environmental Science / Fisheries / Forestry / Geography / Geology / Geophysics / Geo-Informatics / GIS / Information Science / Mathematics / Meteorology / Oceanography / Physics / Remote Sensing / Soil Science / Statistics / Town Planning / Zoology / allied disciplines c) Candidates must have stereoscopic vision and normal colour vision	Available
Space Engineering & Rocketry	Space Engineering & Rocketry	a) Aerodynamics	B.E. / B.Tech. in Mechanical/Aeronautical/ A.M.Ae.S.I. / AMIE or equivalent	Available
		b) Rocket Propulsion	B.E. / B.Tech. in Mechanical / Aeronautical / Chemical / A.M.I.Ch.E. / A.M.Ae.S.I. / AMIE or equivalent	Available

Note:

- a) Upto 20 % of tuition fee waiver may be awarded to GATE qualified candidates having 90 percentile scores and above in GATE.
- b) Candidates admitted in M.Tech. programmes with valid GATE 2017 / GATE 2018 / GATE 2019 score will be considered to receive scholarships only if approved and amount released by the funding agency.

2 B) Minimum Eligibility Criteria for the M.Pharm. programme (MEC - PG2):

1. Candidates must hold a B.Pharm. degree from a PCI and AICTE approved Institute. Candidates must have minimum 55% marks in average (50% for SC/ST) in graduation.

Candidates should preferably be GPAT 2018 / GPAT 2019 qualified. Non-GPAT candidates may also apply. However, their applications will be considered only after applicants who have qualified in GPAT have been considered, admitted (for details, please see the selection procedure).

2. Candidates appearing for final examinations of their Bachelor's programme / qualifying examination in 2019 can also apply and if selected can join the programme provisionally. At the time of the counselling they must bring a certificate in original from the Principal of Institute stating that:
 - a). by 30 June 2019, he/she will have appeared for examination in all subjects required for obtaining his/her Bachelor's degree.
 - b). He/she has obtained requisite marks [55% (50% for SC/ST) upto pre-final year / semester] or equivalent based on latest available grades / marks.

Provisionally selected candidates will be required to sign an undertaking at the time of admission on Non-Judicial Stamp Paper of Rs. 20/- (as format given in Sec-9).

Further, their admission will be confirmed only when they submit the mark sheet and a certificate of having passed the Bachelor's degree / equivalent qualification with at least 55% marks (50% in case of SC / ST). They must submit proof of passing their final examinations with requisite marks by

31 October 2019. Non-fulfillment of this condition will automatically result in the cancellation of the provisional admission.

Please see Selection Procedures for details. Please also see footnotes below.

Notes:

(1) Candidates with foreign diplomas should see the EdCIL website for equivalence (<http://www.edcil.co.in>), and if required should obtain an equivalence certificate from the evaluation division of the AIU ([website http://www.aiuweb.org](http://www.aiuweb.org)).

(2) In case any Board / University awards grades instead of marks, the calculation of equivalent marks would be based on the procedure prescribed by the Board / University. In case a University does not have any scheme for converting CGPA into equivalent marks, the equivalence would be established by dividing obtained CGPA with the maximum possible CGPA and multiplying the resultant with 100.

(3) At any level of the studies [class X, class XII, graduation], a candidate / applicant must have passed all the required subjects at that level from the same board/ University.

Other Criteria in addition to the Minimum Eligibility Criteria (MEC - PG2) above:

Name of the Department	Specialization(s) offered	Eligibility	GPAT Scholarship available
Pharmaceutical Science & Technology	M.Pharm in a) Pharmaceutics b) Pharmaceutical Chemistry c) Pharmacology d) Pharmacognosy e) Pharmaceutical Quality Assurance	Candidate must hold a B.Pharm. degree from PCI & AICTE approved Institute	Available

Note: The candidates admitted in M.Pharm. programme with valid GPAT 2018 / GPAT 2019 score will be considered to receive scholarships only if approved and amount released by the funding agency.

2 C) Minimum Eligibility Criteria for Master in Urban Planning (MUP) programme (MEC - PG3):

1. Candidates must hold EITHER a
 - a) B.Arch / B.Planning or equivalent or B.E. in Civil Engineering with minimum 55% marks in average (50% for SC/ST) in graduation.
OR
 - b) M.A. / M.Sc. degree or equivalent in Geography, Economics, Sociology or Statistics with 55% marks (50% for SC/ST) after graduating with a Bachelor's Degree or equivalent qualification in 10+2+3 system from a recognized University

Candidates should preferably be GATE 2017 / GATE 2018 / GATE 2019 qualified. Non-GATE candidates may also apply. However, their applications will be considered only after applicants who have qualified in GATE have been considered, admitted.

2. Candidates appearing for final examinations in 2019 can also apply and if selected can join the programme provisionally. At the time of the counselling they must bring a certificate in original from the Principal of Institute stating that:
 - a) by 30 June 2019, he/she will have appeared for examination in all subjects required for obtaining his/her qualifying degree.
 - b) he/she has obtained requisite marks or equivalent based on latest available grades / marks.

Provisionally selected candidates will be required to sign an undertaking at the time of admission on Non-Judicial Stamp Paper of Rs. 20/- (as format given in Sec-9).

Further, their admission will be confirmed only when they submit the mark sheet and a certificate of having passed the qualifying examination with requisite marks. They must submit proof of passing their final examinations with requisite marks by 31 October 2019. Non-fulfillment of this condition will automatically result in the cancellation of the provisional admission.

1. Candidates with qualifications acquired through correspondence or distance-learning programmes are eligible only if (a) the programmes are recognized by the DEC-IGNOU for M.A./M.Sc. and tripartite panel of AICTE-UGC-DEC for others, (b) they have passed the qualifying examination at the time of applying, with minimum requisite marks, calculated as per item (1) above. They must enclose photocopy of pass certificate, marksheets of qualifying examination and proof of the programme recognized by the DEC-IGNOU for M.A./M.Sc. and tripartite panel of AICTE-UGC-DEC for others in letter head of the Institute / College / University with their application form. **[Appearing candidate in distance learning programmes, whose results are yet to be declared, are not eligible to apply].**

Please see Selection Procedures for details. Also see footnote below.

Notes:

(1) Candidates with foreign diplomas should see the EdCIL website for equivalence (<http://www.edcil.co.in>), and if required should obtain an equivalence certificate from the evaluation division of the AIU ([website http://www.aiuweb.org](http://www.aiuweb.org)).

(2) In case any Board / University awards grades instead of marks, the calculation of equivalent marks would be based on the procedure prescribed by the Board / University. In case a University does not have any scheme for converting CGPA into equivalent marks, the equivalence would be established by dividing obtained CGPA with the maximum possible CGPA and multiplying the resultant with 100.

(3) At any level of the studies [class X, class XII, graduation or postgraduation], a candidate / applicant must have passed all the required subjects at that level from the same board/ University.

Other Criteria in addition to the Minimum Eligibility Criteria (MEC - PG3) above:

Programme (With Department Offering the course)	Qualifying Examinations / Disciplines Eligible	GATE Scholarship Available
Master in Urban Planning (MUP) (Architecture)	B. Arch / B. Planning or equivalent / B.E. Civil with 55% marks in aggregate (50% for SC/ST), OR M.A. / M.Sc. Geography, Economics, Sociology or Statistics with 55% marks (50% for SC/ST)	Available

Note:

- a) Upto 20 % of tuition fee waiver may be awarded to GATE qualified candidates having 90 percentile scores and above in GATE.
- b) Candidates admitted in M.Tech. programmes with valid GATE 2017 / GATE 2018 / GATE 2019 score will be considered to receive scholarships only if approved and amount released by the funding agency.

2 D) Minimum Eligibility Criteria for the M.Sc. programmes offered at BIT Mesra (MEC - PG4):

1. Candidates must hold a Bachelor's Degree or equivalent qualification of any of the Universities incorporated by an act of the central or state legislatures in India or other educational institutions established by an act of Parliament or declared to be deemed as a University under section 3 of UGC Act, 1956, or possess an equivalent qualification recognized by the Ministry of HRD, Government of India / AIU. This degree must entail a minimum of three years of education after completing higher secondary schooling [Class 12 or equivalent] (10+2+3 system).
2. Candidates of B.Sc. / B.A. Honours must have minimum 55% marks in average (50% for SC/ST) in their Honours subject. Candidates of other graduate courses must have minimum 55% marks in average (50% for SC/ST) in graduation.
3. Candidates appearing for final examinations of their Bachelor's programme in 2019 can also apply and if selected can join the programme provisionally. At the time of the counselling they must bring a certificate in original from the Principal of Institute stating that:
 - a). by 30 June 2019, she/he will have appeared for examination in all subjects required for obtaining his/her qualifying degree.
 - b). He/she has obtained requisite marks or equivalent based on latest available grades / marks.

Provisionally selected candidates will be required to sign an undertaking at the time of admission on Non-Judicial Stamp Paper of Rs. 20/- (as format given in Sec-9).

Further, their admission will be confirmed only when they submit the mark sheet and a certificate of having passed the Bachelor's degree / equivalent qualification with at least 55% marks (50% in case of SC/ ST). They must submit proof of passing their final examinations with requisite marks by 31 October 2019. Non-fulfillment of this condition will automatically result in the cancellation of the provisional admission.

4. Candidates with qualifications acquired through correspondence or distance-learning programmes are eligible only if (a) the programmes are recognized by the DEC-IGNOU, (b) they have passed the qualifying examination at the time of applying, with minimum 55% marks in average (50% for SC/ST) calculated as per item (2) above. They must enclose photocopy of pass certificate and marksheets of qualifying examination with their application [Appearing candidate in distance learning programmes, whose results are yet to be declared, are not eligible to apply].

Notes:

(1) Candidates with foreign diplomas should see the EdCIL website for equivalence (<http://www.edcil.co.in>), and if required should obtain an equivalence certificate from the evaluation division of the AIU (website <http://www.aiuweb.org>).

(2) In case any Board / University awards grades instead of marks, the calculation of equivalent marks would be based on the procedure prescribed by the Board / University. In case a University does not have any scheme for converting CGPA into equivalent marks, the equivalence would be established by dividing obtained CGPA with the maximum possible CGPA and multiplying the resultant with 100.

(3) At any level of the studies [class X, class XII or graduation], a candidate / applicant must have passed all the required subjects at that level from the same board/ University.

Other Criteria in addition to the Minimum Eligibility Criteria (MEC - PG4) above

S.No.	M.Sc. Programme (With Department Offering the course)	Qualifying Examinations / Disciplines Eligible
1	Biotechnology (Bio-Engineering)	B.Sc. with Biotechnology / Physical / Chemical / Biological / Agricultural / Pharmaceutical or equivalent
2	Chemistry (Chemistry)	B.Sc. with Chemistry, Physics, Mathematics or equivalent and Mathematics as a subject at Class 12 level
3	Geoinformatics (Remote Sensing)	a) Graduate in Agriculture / Atmospheric Sciences / Botany / Chemistry / Computer Applications / Computer Science / Disaster Management / Ecology & Environmental Sciences / Fisheries / Forestry / Geography / Geology / GIS / Information Science / Mathematics / Oceanography / Physics / Soil Science / Statistics / Town Planning / Zoology / allied disciplines b) Candidates must have stereoscopic vision and normal colour vision
4	Mathematics (Mathematics)	B.Sc. with Mathematics, Physics, Chemistry or equivalent
5	Physics (Physics)	B.Sc. Honours with Physics, Chemistry, Mathematics or Physics, Chemistry, Statistics or equivalent

No scholarships are available for these programmes.