

Eligibility criteria for the M.E., M.Pharm, M.Tech, Master of Urban Planning and M.Sc. Programmes 2016

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

1. Candidates must hold a B.E. / B.Tech / AMIE or equivalent degree in the appropriate disciplines / branches mentioned below for the respective courses. Candidates must have minimum 55% marks in average (50% for SC/ST) in graduation.

Candidates should preferably be GATE 2015 / GATE 2016 qualified. Non-GATE candidates may also apply. However, their applications will be considered only after applicants who have qualified in GATE have been considered, interviewed.

2. Candidates appearing for final examinations of their Bachelor's programme in 2016 can also apply and if selected can join the programme provisionally. At the time of the interview / counselling they must bring a certificate in original from the Principal of Institute stating that:
 - a) by 30 June 2016, (s)/he will have appeared for examination in all subjects required for obtaining his/her Bachelor's degree.
 - b) (s)/he 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 2016. Non-fulfillment of this condition will automatically result in the cancellation of the provisional admission.

3. 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 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].

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.E. Programmes at BIT Mesra & its Extension Centre, Patna:

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

M.E. Programme (with Department Offering the course)	Specialization(s) offered	Eligible Branches	GATE Scholarships available
Automated Manufacturing Systems (Production Engineering)	-	Production / Manufacturing / Mechanical / Industrial Engineering / Electronics & Communication / Computer Science / Mechatronics / Electrical	Available
Chemical Engineering (Chemical Engineering & Technology)	-	Chemical / Polymer / Metallurgical & Materials / Biotechnology, Food & Biochemical / Chemical Technology or equivalent	Not Available
Civil (Civil & Environmental Engineering)	a) Soil Mechanics & Foundation Engineering	Civil	Available
	b) Structural Engineering	Civil	Available
Electrical (Electrical & Electronics Engineering)	a) Power Systems	Electrical / Electrical & Electronics	Available
	b) Control Systems	Electrical / Electronics & Communication / Electrical & Electronics / Electrical Instrumentation & Control or equivalent	Available
	c) Power Electronics	Electrical / Electrical & Electronics / Electronics & Communication / Instrumentation & Control or equivalent	Available
Electronics & Communication (Electronics & Communication Engineering)	a) Instrumentation & Control	Electronics & Communication / Instrumentation or equivalent	Available
	b) Microwave	Electronics & Communication or equivalent	Available
	c) Wireless Communication	Electronics & Communication or equivalent	Available at Mesra & Patna
Mechanical (Mechanical Engineering)	a) Heat Power	Mechanical / Chemical / Marine	Available
	b) Design of Mechanical Equipment	Mechanical / Production	Available
Software Engineering (Computer Science & Engineering)	-	Computer Science / Information Technology or equivalent	Available
Space Engineering & Rocketry (Space Engineering & Rocketry)	a) Aerodynamics	Mechanical/Aeronautical/ A.M.Ae.S.I. / AMIE or equivalent	Available
	b) Rocket Propulsion	Mechanical / Aeronautical / Chemical / A.M.I.Ch.E. / A.M.Ae.S.I. / AMIE or equivalent	Available

Note: Candidates admitted in M.E. programmes with valid GATE 2015 / GATE 2016 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 2016 qualified. Non-GPAT candidates may also apply. However, their applications will be considered only after applicants who have qualified in GPAT have been considered, interviewed (for details, please see the selection procedure).
2. Candidates appearing for final examinations of their Bachelor's programme / qualifying examination in 2016 can also apply and if selected can join the programme provisionally. At the time of the interview / counselling they must bring a certificate in original from the Principal of Institute stating that:
 - a). by 30 June 2016, (s)/he will have appeared for examination in all subjects required for obtaining his/her Bachelor's degree.
 - b). (s)/he 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 2016. 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>).

(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) Pharmacognosy d) Pharmacology e) Clinical Research f) Quality Assurance & Regulatory Affairs	Candidate must hold a B.Pharm degree from PCI & AICTE approved Institute	Available

Note: The candidates admitted in M.Pharm programme with valid GPAT 2016 score will be considered to receive scholarships only if approved and amount released by the funding agency.

2 C) Minimum Eligibility Criteria for the M.Tech programmes (MEC - PG3):

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.

Candidates should preferably be GATE 2015 / GATE 2016 qualified. Non-GATE candidates may also apply. However, their applications will be considered only after applicants who have qualified in GATE have been considered, interviewed.

2. Candidates appearing for final examinations in 2016 can also apply and if selected can join the programme provisionally. At the time of the interview / counselling they must bring a certificate in original from the Principal of Institute stating that:
 - a). by 30 June 2016, (s)/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 qualifying examination with requisite marks. They must submit proof of passing their final examinations with requisite marks by 31 October 2016. Non-fulfillment of this condition will automatically result in the cancellation of the provisional admission.

3. 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 requisite marks, calculated as per item (1) 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].

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, graduation or postgraduation], a candidate / applicant must have passed all the required subjects at that level from the same board/ University.

M.Tech Programmes at BIT Mesra & its Extension Centre, Patna

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

M.Tech Programme (With Department Offering the course)	Qualifying Examinations / Disciplines Eligible	GATE Scholarships available
Biotechnology (Bio-Engineering)	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
Bio-Medical Instrumentation (Bio-Engineering)	B.E. / B.Tech in Biomedical / Biotechnology / Computer / Electrical / Electronics / Information Technology / Instrumentation Engineering / B.Pharm / MBBS OR M.Sc. in Biomedical Instrumentation / Computer / Electronics / Information Science / Instrumentation / Physics / Mathematics / Chemistry / Bio Sciences	Not 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 or equivalent	Available at Mesra & Patna
Energy Technology (Mechanical Engineering)	B.E. / B.Tech in any discipline / B.Arch OR M.Sc. in Physics / Chemistry / Mathematics	Available
Environmental Science & Engineering (Civil & Environmental 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
Information Security (Computer Science & Engineering)	B.E. / B.Tech in Computer Science / Information Technology / Electronics / Or MCA or M.Sc. in Computer Science / Information Technology / Electronics with Mathematics at graduate level	Available
Information Technology (Computer Science & Engineering)	B.E. / B.Tech in Computer Science / Information Technology Or MCA or M.Sc. in Computer Science / Information Technology with Mathematics at graduate level	Available
Remote Sensing (Remote Sensing)	a) B. Arch or B.E. / B.Tech in any branch of Engineering, 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

Note: Candidates admitted in M.Tech programmes with valid GATE 2015 / GATE 2016 score will be considered to receive scholarships only if approved and amount released by the funding agency.

2 D) Minimum Eligibility Criteria for Master in Urban Planning (MUP) programme (MEC – PG4):

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 2015 / GATE 2016 qualified. Non-GATE candidates may also apply. However, their applications will be considered only after applicants who have qualified in GATE have been considered, interviewed.

2. Candidates appearing for final examinations in 2016 can also apply and if selected can join the programme provisionally. At the time of the interview / counselling they must bring a certificate in original from the Principal of Institute stating that:
 - a) by 30 June 2016, (s)/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 qualifying examination with requisite marks. They must submit proof of passing their final examinations with requisite marks by 31 October 2016. Non-fulfillment of this condition will automatically result in the cancellation of the provisional admission.

3. 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 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].

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>).

(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 – PG4) 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: Candidates admitted in MUP programme with valid GATE 2015 / GATE 2016 score will be considered to receive scholarships only if approved and amount released by the funding agency.

2 E) Minimum Eligibility Criteria for the M.Sc. programmes offered at BIT Mesra (MEC – PG5):

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 2016 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 2016, 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 2016. 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 – PG5) 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.

