



Government of India
Department of Atomic Energy
BHABHA ATOMIC RESEARCH CENTRE



Bhabha Atomic Research Centre Training Schools (OCES/DGFS-2015)

**Information Brochure for Candidates from
Engineering & Science Disciplines**

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1. Training Schemes and Employment Description

BARC Training Schools provide two Training Schemes to deserving candidates ambitious of pursuing a rewarding career in **Nuclear Science, Engineering and Technology** and

who would relish challenges in **frontier areas of Science & Technology**,

who would like to be part of an expanding program of **nuclear power / research Reactors, Accelerators and Nuclear Fuel Cycle Technologies**,

and who would enjoy pursuing innovative research in frontier areas of **Engineering, Physics, Chemistry, Bioscience, Geology and Geophysics**.

They are respectively called **Orientation Course for Engineering Graduates and Science Postgraduates (OCES)** and **DAE Graduate Fellowship Scheme for Engineering Graduates and Physics Postgraduates (DGFS)**.

DAE strives to have a workforce which reflects gender balance and women candidates are encouraged to apply.

A. **One-year Orientation Course for Engineering Graduates and Science Postgraduates for the academic year 2015-2016 (OCES-2015)** will be conducted at the **five BARC Training Schools** situated at **Mumbai, Kalpakkam, Indore and Hyderabad**. Table-1 lists Eligible Disciplines for the OCES program. Table-2 lists the Eligible Disciplines and orientation of the Training Program at each of the Training Schools. A Trainee Scientific Officer (TSO) who scores a minimum of 50% aggregate marks on completion of the Training Program is declared to have passed the course successfully. Successful TSOs will be posted as Scientific Officers in one of the following DAE units:

- a. Bhabha Atomic Research Centre (BARC), Mumbai*
- b. Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam
- c. Raja Ramanna Centre for Advanced Technology (RRCAT), Indore

- d. Variable Energy Cyclotron Centre (VECC), Kolkata
- e. Heavy Water Board (HWB), Mumbai*
- f. Nuclear Fuel Complex (NFC), Hyderabad*
- g. Board of Radiation and Isotope Technology (BRIT), Mumbai*
- h. Nuclear Power Corporation of India Ltd (NPCIL), Mumbai*
- i. Bharatiya Nabhikiya Vidyut Nigam Ltd (BHAVINI), Kalpakkam*
- j. Uranium Corporation of India Ltd (UCIL), Jaduguda*
- k. Atomic Minerals Directorate of Exploration & Research (AMD), Hyderabad*
- l. Directorate of Construction, Services & Estate Management (DCSEM), Mumbai*.

*These units have their Head Office at the indicated locations. Placement can be at the Head Office or at other facilities of these units located in different parts of India.

Allocation of a successful OCES TSO to a DAE unit is carried out based on performance in the OCES program. **DAE reserves the right to place TSOs in any of its other units and the Atomic Energy Regulatory Board (AERB) also.**

Appointment in DAE units shall be as a '**Group A' Gazetted Officer of the Government of India** except in BHAVINI, NPCIL and UCIL which are governed by the service rules of Corporations.

Performance above a specified threshold during the course work at the Training School will entitle TSOs to a **Post-Graduate Diploma** or could earn them **credits towards M.Tech./M.Phil./Ph.D. programs of Homi Bhabha National Institute (HBNI)**, a Deemed to be University.

B. Two-year DAE Graduate Fellowship Scheme for Engineering Graduates and Physics Postgraduates for the session beginning in July/August 2015 (DGFS-2015). Under this scheme, **Engineering Graduates and Physics Postgraduates** who are **selected for the OCES program** of the BARC Training Schools and who **also have secured admission for M. Tech./ M. Chem. Engg. in select Institutes and specializations** as listed in Table-3, are paid stipend and

tuition fee to pursue a M. Tech./ M. Chem. Engg. degree while retaining their employment in DAE.

After successful completion of one-year course work at the Institute, Fellows undertake project work, which is assigned by DAE and supervised jointly by a DAE and an Institute guide.

On successful completion of M. Tech./ M. Chem. Engg. they are posted as Scientific Officers in DAE. Appointment in DAE units shall be as a '**Group A**' **Gazetted Officer of the Government of India**.

On joining, they are required to first undertake a four-month Orientation Course (OCDF) at the BARC Training School, Mumbai.

The DGFS fellows are enrolled and posted in one of the following units of DAE:

- a) BARC, Mumbai
- b) IGCAR, Kalpakkam
- c) RRCAT, Indore

Allocation of a DGFS Fellows to a DAE unit is done at the beginning of the M. Tech./ M. Chem. Engg. program based on the needs of DAE's programs and their Selection Interview merit.

- C. **Stipend and Allowances during Training:** OCES TSOs as well as DGFS Fellows are paid a stipend of ₹ 20,000 per month during the period of their Training and a one-time book allowance of ₹ 10,000.

Boarding and Lodging in DAE Hostel is mandatory for OCES TSOs during the Training period. Boarding and lodging in DGFS Institute hostel is mandatory for DGFS Fellows during M.Tech./M.Chem.Engg. program.

Selected candidates are required to execute an agreement and a **Personal Indemnity Bond** to serve DAE for at least three years after completion of Training. Indemnity Bond is for ₹ 2,50,000 for OCES TSOs and ₹ 5,10,000 for DGFS fellows*.

No third party surety is required.

* The Bond amount for DGFS Fellows pursuing M. Tech. / M. Chem. Engg. at certain DGFS Institutes may be marginally different, depending on the tuition fee at the concerned Institute.

2. Grade and Pay Scale

Appointment in all the units shall be as a Scientific Officer 'C' (SO/C) **in the pay band - III ₹ 15,600-39,100 with grade pay of ₹ 5,400.**

Appointment will be at the beginning of the pay scale with OCES TSOs getting **two or three increments** depending on their performance during the OCES program and the DGFS Fellows# getting **three or four increments** depending on their performance in M. Tech./M. Chem. Engg. and four-month Orientation Course for DGFS Fellows (OCDF).

#DGFS Fellows whose performance in the M.Tech./M.Chem.Engg. and OCDF programs is below a specified threshold will get zero increments.

Monthly emoluments (with three increments) at the time of joining including Dearness Allowance, House Rent Allowance, Transport Allowance, (the latter two calculated at present Mumbai rates), will be approximately **₹ 61,000** (upward pay revision is under consideration of the 7th Central Pay Commission).

In addition, other Allowances such as **Leave Travel Concession by air**, every year up to first eight years (subject to conditions) and once in two years thereafter, **Children's Education Allowance** and **Professional Update Allowance** are also payable.

A comprehensive **Contributory Health Service Scheme** or equivalent for employees and their dependent family members is also available at all DAE Units.

3. Selection Process

Selection to OCES/DGFS – 2015 is a two-step process: **Screening** to short-list candidates followed by **Selection Interviews** of the short-listed candidates.

There is a separate Selection Process for each of the disciplines listed in Table-1 **except for Radiological Safety Engineering (RSE) which is not a separate discipline but an additional Training Scheme option for applicants in Physics and Chemistry disciplines.**

A. **Screening for Selection Interviews** is based on two alternative methods:

(a) **On the basis of Online Test:**

- i. Online Test will be conducted in March, 2015 in each of the eight Engineering disciplines and five Science discipline in nearly thirty cities spread across India.
- ii. Travel Allowance is not paid for appearing in it.
- iii. Candidates who register for the Online Test will be able to choose their exam centre as well as date and time of the session in which they wish to appear for the Online Test, **subject to availability**. Allocation of slot to candidates for taking the Online Test will be done on a first come, first served basis.

(b) **On the basis of GATE score:**

Candidates will be screened in for Selection Interview on the basis of a valid GATE-2014 or GATE-2015 score.

Candidates may note the following:

1. At the time of application, candidates can choose **any one or both** of the above screening options. As the cutoff GATE scores for screening in to Selection Interviews will be finalized only after the conclusion of the Online Test, candidates are advised to maximize their chance of being screened in to the Selection Interview by **availing both the Screening Channels (GATE score as well as Online Test)** detailed above.

2. Candidates who opt for screening through **Online Test** should book an examination slot of their choice, subject to availability, by visiting this website. Alerts by email as well as SMS will be sent to all candidates who have opted for the Online Test on their registered email addresses and mobile numbers as well as announced on this website, prior to commencement of the slot booking process. Examination slots will be allocated on first come, first served basis, subject to availability. **Candidates are advised to visit this website regularly for updates regarding this.**
3. The candidates who have opted for screening only on the basis of a GATE Score will not be permitted to book an examination slot for the Online Test.

Students from UM-DAE CBS and NISER: Students graduating with a Masters Degree from University of Mumbai – Department of Atomic Energy Centre for Excellence in Basic Sciences (UM-DAE CBS) and National Institute of Science Education and Research (NISER), Bhubaneswar, and whose Cumulative Grade Performance Average (CGPA) is greater than or equal to 7.5 on a scale of 10 will directly be screened in to the Selection Interview stage, provided they meet all other eligibility requirements of the OCES/DGFS-2015 program. Such candidates should first submit their application for the OCES/DGFS-2015 program on the Online Application Portal and subsequently forward their details through the Directors of their Institutes. **As the final CGPA is not known till the end of the tenth semester, students from UM-DAE CBS and NISER are advised to appear for the Online Test and/or upload a valid GATE-2014 or GATE-2015 score, to maximize their chances of being screened in to the Selection Interview stage.**

B. Selection Interviews:

Selection Interviews of short-listed candidates will be conducted in Mumbai (in all disciplines except Geology and Geophysics) and Hyderabad (in Geology and Geophysics). Outstation applicants will be paid two-way second-class sleeper train fare by shortest route or actual fare whichever is less.

Probable period of Selection Interviews is during May-June, 2015. Short-listed candidates will be able to choose an Interview slot based on availability in April,

2015. Alerts by email as well as SMS will be sent to all candidates who have been short-listed for Selection Interview on their registered email addresses and mobile numbers as well as announced on this website, prior to commencement of the Interview slot booking process. **Candidates are advised to visit this website regularly for updates regarding this.**

Final Selection for the OCES/DGFS-2015 programs will be based solely on performance in Selection Interview, subject to medical fitness. A list of provisionally (subject to medical fitness) selected candidates will be displayed on this website in June, 2015. The selected candidates will also be informed about their Selection by email and SMS.

The option of communicating preferences regarding Training School location and Training Scheme will be enabled on this website for Selected candidates, after the declaration of final results.

Selected candidates who have obtained admission for applicable M. Tech. / M. Chem. Engg. programs in DGFS Institutes and who wish to be considered for DGFS must provide details of their M. Tech. / M. Chem. Engg admission by July 3, 2015.

4. Eligibility Criteria

A. Qualifying Degrees and Other Academic Requirements for OCES/DGFS-2015:

a) For Engineering Disciplines (codes ME, CH, MT, EE, EC, CS, IN, CE):

- i. B.E. / B.Tech. / B.Sc. (Engineering) / 5-year Integrated M.Tech. / A.M.I.E. / A.M.I.E.T.E. / A.M.I.I.Ch.E. / A.M.I.I.M. with a minimum of 60%* aggregate marks in one of the engineering disciplines mentioned in Table-1.
- ii. Applicants opting to be considered on the basis of a GATE Score must have a valid GATE-2014 or GATE-2015 Score in the same engineering discipline as the qualifying degree discipline.
- iii. **Those having qualifying degree in branches like Aerospace, Automobile, Industrial Production, Reliability, Ceramics, Architecture, Geology, Mining, Bio-Medical Electronics/ Instruments, Communication, Information Technology, Master of Computer Applications, Dyes & Dye Intermediates, Electrochemical, Energy Systems, Oils & Fats, Paints & Varnishes, Petrochemicals, Plastics, Paper, Sugar Technology, Textiles, Mechatronics, etc. are not eligible.**

b) For Physics Discipline (code PH):

- i. M.Sc. in Physics/Applied Physics with Physics and Mathematics at B.Sc. or at subsidiary and/or ancillary level in case of 5-year integrated M.Sc. or B.E./B.Tech. in Engineering Physics with a minimum of 60%* aggregate marks in the qualifying degree.
- ii. M. Sc. candidates (other than those applying with a 5-year integrated M.Sc. degree) must additionally have a minimum of 60%* aggregate marks in B.Sc.
- iii. Physics postgraduate applicants opting to be considered on the basis of a GATE Score should have a valid GATE-2014 or GATE-2015 Score in 'Physics'.
- iv. Applicants having B.E./B.Tech. (Engineering Physics) as qualifying degree can apply on the basis of a valid GATE-2014 or GATE-2015 Score either in 'Physics' or in 'Engineering Science'.

c) For Chemistry Discipline (code CY):

- i. M.Sc. in Chemistry with Physics up to B.Sc. or at subsidiary and/or ancillary level in case of 5-year integrated M.Sc. and Mathematics at Std. XII or at B.Sc. or at subsidiary and/or ancillary level in case of 5-year integrated M.Sc., with a minimum of 60%* aggregate marks in M.Sc.
- ii. All candidates (other than those applying with a 5-year integrated M.Sc. degree) must additionally have a minimum of 60%* aggregate marks in B.Sc.
- iii. Applicants opting to be considered on the basis of a GATE Score should have a valid GATE-2014 or GATE-2015 Score in 'Chemistry'.

d) For Biosciences Discipline (code BS):

- i. M.Sc. in Agriculture, Biochemistry, Microbiology, Molecular Biology, Biotechnology, Genetics, Botany, Zoology, Plant Science, Plant Breeding, Plant Pathology, Entomology, Food Technology, Animal Science, Life Sciences and Biosciences with a minimum of 60%* aggregate marks in M.Sc. as well as in B.Sc.; or B.E. / B.Tech. / B.Sc. (Tech) only in Food Technology with minimum of 60%* aggregate marks.
- ii. M.Sc. applicants should have Physics or Chemistry or Biochemistry or Agriculture Chemistry at the B.Sc. stage or at subsidiary and / or ancillary level in case of 5-year integrated M.Sc.
- iii. Applicants opting to be considered on the basis of a GATE Score should have a valid GATE-2014 or GATE-2015 Score in 'Life Sciences' or in 'Biotechnology'.
- iv. **Those having M.Sc. with specialization in subjects like Fisheries, Horticulture, Forestry, Agronomy, Animal Husbandry, Marine Biology and Home Science etc and B.E. / B.Tech. / M.Tech. in Biotechnology / Genetic Engineering are not eligible.**

e) For Radiological Safety Engineering (code RSE):

- i. M.Sc. in Physics or Chemistry with a minimum of 60%* aggregate marks with Physics and Chemistry up to B.Sc. or at subsidiary and/or ancillary level in case of 5-year integrated M.Sc.
- ii. Eligible candidates must have passed in Mathematics at Std. XII or at B.Sc. or at subsidiary and / or ancillary level in case of five year integrated M.Sc.

- iii. All candidates (other than those applying with a five year integrated M.Sc. degree) must additionally have a minimum of 60%* aggregate marks in B. Sc.

f) For Geology Discipline (Code GE):

- i. M.Sc. or equivalent M.Tech. in Geology / Applied Geology / Applied Geochemistry with Geology at B. Sc. or at subsidiary and / or ancillary level in case of 5-year integrated M.Sc., or 5-year integrated M.Tech. in Geological Technology.
- ii. Eligible candidates must have two subjects out of Mathematics, Physics and Chemistry up to B.Sc. or at subsidiary and/or ancillary level in case of 5-year integrated M.Sc./5-year integrated M.Tech., with minimum of 60%* aggregate marks in M.Sc./M.Tech.
- iii. All eligible candidates (other than those applying with a 5-year integrated M.Sc. / M.Tech. degree) must have a minimum of 60%* aggregate marks in B. Sc. also.
- iv. Additionally, eligible candidates must have passed Mathematics in Std. XII.
- v. All applicants opting to be considered on the basis of a GATE Score should have a valid GATE-2014 or GATE-2015 Score in 'Geology and Geophysics'.

g) For Geophysics Discipline (Code GP):

- i. M.Sc. in Geophysics/Applied Geophysics or 5-year integrated M.Tech. in Geophysical Technology.
- ii. Eligible candidates must have Mathematics up to B.Sc. or at subsidiary and/or ancillary level in case of 5-year integrated M.Sc./M.Tech., with a minimum of 60%* aggregate marks in M.Sc./M.Tech.
- iii. All eligible candidates (other than those applying with a 5-year integrated M.Sc./M.Tech. degree) must have a minimum of 60%* aggregate marks in B. Sc.
- iv. Applicants opting to be considered on the basis of a GATE Score should have a valid GATE-2014 or GATE-2015 Score in 'Geology and Geophysics'.

h) Those having M.Sc. (by research) or Ph.D. are not eligible.

***A minimum of 60% marks means the marks as per the ordinances of the respective university. In case of candidates whose qualifying degree is A.M.I.E./A.M.I.E.T.E./A.M.I.I.Ch.E./A.M.I.I.M., 60% marks are required in each part of the qualifying examination, individually.**

B. Admission to DGFS:

- i. Candidates having a qualifying degree in the Engineering disciplines (ME, CH, MT, EE, EC, CS, IN & CE) or in Physics (PH) and who meet the corresponding eligibility criteria listed above are eligible to apply for DGFS provided they secure admission for M.Tech./ M.Chem.Engg. starting in the academic year 2015 in select Institutes and in specializations listed in Table-3.
- ii. Confirmation of M.Tech./M.Chem.Engg. admission should be communicated by **July 3, 2015.**
- iii. **Securing admission in one of the valid M. Tech. specializations at one of the DGFS Institutes along with Selection for OCES, does not guarantee the award of a DGFS Fellowship as DGFS is offered as per the needs of DAE's programs and only to the most meritorious candidates as per Selection Interview performance.**

C. Age Limit (Age as on August 1, 2015):

- a) General Category - 26 years,
- b) OBC - 29 years,
- c) SC/ST – 31 years,
- d) Dependents of those who died in the riots of 1984 (Dep1984) - 31 years,
- e) Persons domiciled in Kashmir Division of Jammu & Kashmir State from 01/01/1980 to 31/12/1989 (Dom Kashmir) – 31 years.

Physically Challenged persons of all categories are eligible for age relaxation of 10 years.

D. Nationality: Applicant must be a citizen of India.

E. Applicants working in Central / State Government Units / PSUs / Aided Institutes should produce a No Objection Certificate (NOC) from their

organization at the time of Selection Interview, failing which they may not be interviewed.

F. Application Fee:

- i. A non-refundable Application Fee of ₹ 250 is chargeable from the male applicants belonging to General and OBC categories.
- ii. **Women candidates, candidates belonging to SC/ST, Dependents of Defence Personnel Killed in Action (DODPKIA) and Physically Challenged candidates are exempted from payment of Application Fee.**
- iii. All candidates who have paid Application Fee at a branch of State Bank of India must produce original challan at the time of Selection Interview.

Candidates awaiting final results and/or due to appear for GATE-2015, may also apply.

If selected, candidates who are eligible in all other respects but are awaiting final results will be allowed to commence course work. However, retention of these candidates in the OCES or DGFS programs is subject to the mark-sheet of their final result, which meets the eligibility requirements of the OCES/ DGFS program, being submitted by Nov 30, 2015 in case of OCES TSOs and as per the requirement of the concerned DGFS Institutes in the case of DGFS Fellows.

5. How to Apply

ONLY ONLINE APPLICATIONS WILL BE ACCEPTED.

1. Candidates have to fill up the Online Application form provided on this website.
2. A new candidate needs to register through '**Apply Online**' link by providing essential information like name, mother's name, date of birth, e-mail id and a preferred login id. ***It may be noted that the details provided at this stage cannot be modified later on, and hence the candidates are advised to be careful in entering the details.***
3. Upon successful registration, an automatically generated password will be communicated to the candidate's e-mail id.
4. The candidate may subsequently log in multiple times through '**Candidate's login**' link to fill in the Online Application form.
5. While filling the form, the candidates are required to upload their recent passport sized photograph (3.5x4.5cm) in JPG format (of size not more than 50 kb) and a scanned copy of their signature (2x4.5cm, in JPG format with size not exceeding 20 kb).
6. After filling in all the required details, the candidates who are required to pay the application fee should download the three fold challan from the website and make the payment of Application-Processing Fee in any branch of the **State Bank of India**. After making the payment and getting the UNIQUE TRANSACTION NUMBER, the candidate has to enter the said number as response to the relevant query in the online application form. No requests for refund of Application-Processing Fee will be entertained

7. Finally the candidate needs to submit the filled form by clicking the '**Final Submission**' button. Please note that no modifications/alterations would be permitted in the application form after final submission, hence the candidates are advised to verify the correctness and adequacy of the information filled by them before the final submission.

8. A unique Registration Number will be generated for every candidate, which can be used for all future correspondence.

9. The candidates who wish to apply for screening on the basis of GATE-2015 Score are required to fill in their GATE details after publishing of the GATE results, whereas those wishing to apply on the basis of a GATE-2014 Score must upload their GATE Score during the Application Process. Applicants with a GATE-2015 Score must register and fill in all details relevant to the admission process, prior to the declaration of GATE-2015 results, and before the last date (February 6, 2015) for the same. No new applications, on the basis of a GATE-2015 score, will be accepted after February 6, 2015.

1. **Application Fee :**

A non-refundable application-processing fee of ₹ 250 (Rupees Two Hundred and Fifty Only) is chargeable from the applicants in General and OBC categories. **Women candidates (all categories) and the candidates belonging to SC / ST and Dependents of Defence Personnel Killed in Action (DODPKIA) and physically challenged candidates are exempted from payment of application fee.**

Note: Candidates need not send any documents such as proof of age, proof of category, application fee payment etc or hard copy application now.

In addition, candidates required to pay application-processing fee may note the following:

- I. Only those applications for which the application fee receipt is confirmed from the bank, will be processed further. The status of receipt of application fee will be displayed on the website.
- II. Those candidates who have qualified for the Interview must produce original bank challan at the time of Selection Interview.

6. Eligible Disciplines-(Table 1)

Eligible Engineering Disciplines and their Codes	
Mechanical	ME
Chemical	CH
Metallurgy	MT
Electrical #	EE
Electronics *#	EC
Computer Science /Computer Engineering	CS
Instrumentation #	IN
Civil	CE
Eligible Science Disciplines and their Codes	
Physics†	PH
Chemistry ‡	CY
Biosciences	BS
Radiological Safety Engineering (RSE) ##	RSE
Geology	GE
Geophysics	GP

*Related degree disciplines such as Electronics & Communication, Electronics and Controls are also eligible.

Candidates with degree disciplines Electrical & Electronics or Electronics & Instrumentation can apply under either of the disciplines (Electrical or Electronics etc.). However, such candidates must qualify on the basis of a valid GATE score or Online Test in the discipline in which they wish to be considered.

† The candidates belonging to Physics discipline selected for the BARC Training School at Mumbai will be allotted either Physics or Radiological Safety Engineering as their Training Schemes and those selected for the BARC Training school at IGCAR will be allotted either Reactor Physics or Material Science as their Training Schemes, based on Selection Interview merit and their preferences.

‡ The candidates belonging to Chemistry discipline selected for the BARC Training School at Mumbai will be allotted either Chemistry or Radiological Safety Engineering as their Training Schemes and those selected for the Training school at IGCAR will pursue Nuclear Fuel Cycle Chemistry in the Training School.

Radiological Safety Engineering (RSE) is not a separate discipline but an additional Training Scheme option for candidates in Physics and Chemistry.

7. Training School and Training Scheme Options-

(Table 2)

Training School	Disciplines	Orientation of Training
BARC, Mumbai (Since 1957)	ME, CH, MT, EE, EC, CS, IN, CE, PH, CY, BS, RSE	<ul style="list-style-type: none">• Engineering Design, Development, Operation and Maintenance of Nuclear Reactors• Research in frontier areas of Basic and Engineering Sciences
IGCAR, Kalpakkam (Since 2006)	ME, CH, EC,PH, CY	<ul style="list-style-type: none">• R&D and Engineering related to Fast Breeder Reactors• Research in frontier areas of Basic and Engineering Sciences
RRCAT, Indore (Since 2000)	EE, EC, PH	<ul style="list-style-type: none">• R&D and Engineering related to lasers, accelerators, plasma physics, cryogenics and superconductivity
NFC-HWB, Hyderabad (Since 2001)	ME, CH, EE, EC	<ul style="list-style-type: none">• Operation & Maintenance and Engineering related to Nuclear Fuel Facilities and production plants for production of Heavy Water to support the Nuclear Power Program
AMD, Hyderabad (Since 2010)	GE, GP	<ul style="list-style-type: none">• Exploration Techniques for Uranium and other Atomic Minerals and related R&D activities

8. Admissible Disciplines, M Tech / M Chem Engg

Specializations and DGFS Institutes - (Table-3)

Relevant M.Tech./M.Chem.Engg. Program or Name of Dept/ Centre at the M.Tech./ M.Chem.Engg. Institute	Pre-M.Tech./M.Chem.Engg. Degree (Disciplines)	Institutes**
Mechanical Engineering	BE / BTech / BSc Engg (Mechanical)	All except ICT
Cryogenic	BE / BTech / BSc Engg (Mechanical)	Kh
Chemical Engineering	BE / BTech / BSc Engg (Chemical)	All except Rkl
Applied Mechanics	BE / BTech / BSc Engg (Civil/ Mechanical)	M
Civil Engineering	BE / BTech / BSc Engg (Civil)	All except Rkl, ICT
Earthquake Engineering	BE / BTech / BSc Engg (Civil)	K, R
Nuclear Hydrology	BE / BTech / BSc Engg (Civil/ Chemical)	R
Metallurgical Engineering, Materials Science/ Engg	BE / BTech / BSc Engg (Metallurgy/ Chemical)	All except G, ICT
Electrical Engineering	BE / BTech / BSc Engg (Electrical/ Electronics)	All except G, ICT
Reliability Engineering, Systems & Control Engineering, Energy Systems	BE / BTech / BSc Engg (Mechanical/ Electrical/ Chemical)	B, D, Kh, R
Power/ Communication/ Control Engg, Integrated Electronics & Circuits	BE / BTech / BSc Engg (Electrical/ Electronics)	D, G, R
Instrumentation	BE / BTech / BSc Engg (Electrical/ Electronics/ Instrumentation)	Kh, M,R
Computer Science, Engineering & Technology	BE / BTech / BSc Engg (Computer/ Electrical/ Electronics)	All except Rkl, Var, ICT
Applied Optics, Lasers & Optoelectronics	BE / BTech / BSc Engg (Electronics) M.Sc. (Physics / Applied Physics)	D
Nuclear Engineering & Technology	BE / BTech / BSc Engg (Mechanical/ Chemical/ Electrical/ Electronics)	K
Solid State Materials/ Electronic Materials	BE / BTech / BSc Engg (Electrical/ Electronics) M.Sc. (Phy/ App Phy)	D, R
Electronics Engg, Electronics and Communication Engg	BE / BTech / BSc Engg (Electrical/Electronics)	Rkl & Var

** Institutes where specified M.Tech./ M.Chem.Engg. courses are offered under this scheme: B = IIT Bombay; D = IIT Delhi; G=IIT Guwahati; K = IIT Kanpur; Kh = IIT Kharagpur; M = IIT Madras; R = IIT Roorkee; Rkl = NIT Rourkela; Var = IIT-(BHU)-Varanasi; ICT = Institute of Chemical Technology, ICT, Mumbai. Number of DGFS Fellows selected in each approved M.Tech. / M.Chem.Engg. Specialization at the Institutes under the DGFS scheme will depend upon the requirements of DAE.

9. Important Dates

Launching of Online Application Portal for OCES/DGFS-2015	6 th January, 2015
Last date for Online Application	6 th February, 2015
Online Test	12 th - 20 th March, 2015
Last date for candidates to upload their GATE score	30 th March, 2015
Display of List of candidates short-listed for Interview on Online Application Portal	2 nd week of April, 2015
Availability based option on Online Application Portal to select Interview Slot for qualified candidates	2 nd week of April, 2015
Selection Interviews	18 th May - 18 th June, 2015
Display of List of Candidates finally selected for OCES-2015 on Online Application Portal	24 th June, 2015
Last Date for Selected OCES-2015 Candidates to upload their preferences vis-à-vis different Training Schemes	28 th June, 2015
Display of Training Schemes Allotted to selected OCES-2015 Candidates on Online Application Portal	30 th June, 2015
Last Date for Selected OCES-2015 Candidates desirous of DGFS to give details of M.Tech/ M.Chem.Engg. admission in a DGFS institute	3 rd July, 2015
Declaration of List of Persons Selected for DGFS-2015 on Online Application Portal	2 nd week of July, 2015