

FINANCIAL ENGINEER

Financial Engineers use their knowledge in Computer Science, Statistics, Economics, and Maths to address financial problems. They often solve problems such as financial contracts and risks, implementation of investment rules, etc.

PERSONAL COMPETENCIES

- You are good at Maths
- You are adept at keeping records
- You like working with numbers
- You like to analyze things



SCHOLARSHIPS

- Merit-cum-Means based Scholarship - About 20,000 such engineering scholarships are awarded by the Ministry of Minority Affairs every year. The full course fees of awardees is directly paid to their institutions under this scheme.*
 - Indian Oil Educational Scholarship- The IOC Ltd offers 300 scholarships every year to eligible students. Students need to be enrolled in an undergraduate course. The scholarship particularly focuses on students with physical disabilities, women and students from North East and J&K.*
 - "Ishan Uday" Special Scholarship Scheme - For promoting higher education and for encouraging children belonging to economically weaker section of the NE region, the UGC has launched "Ishan Uday" Special Scholarship Scheme for North Eastern Region students.
 - Visit www.scholarships.gov.in the National Scholarship Portal. Under this portal there are other central government schemes offered by different departments, UGC/AICTE Schemes and State Schemes.*
 - Visit www.buddy4study.com a gateway to scholarships starting from Class XI.*
 - Scholarships are also available in institutes based on merit.*
- *(Availability of these scholarships vary from time to time)

LOANS

- VidyaLakshmi, www.vidyalakshmi.co.in, is a portal for students seeking education loan. This portal has been developed under the guidance of the Department of Financial Services, (Ministry of Finance), Department of Higher Education (Ministry of Human Resource Development) and Indian Banks Association (IBA). Students can view, apply and track the education loan applications on the website.
- Some states have student credit cards with low interest rates, for instance, West Bengal, Odisha, Bihar, etc.
- All banks give education loans.



The approx. course fee ranges between **INR 25,200 - 1,00,000*** for one year.

*(The above mentioned figures are approximate numbers. This will vary from Institute to Institute)

ENTRY PATHWAY

1. Complete 10+2 in Science stream (Physics, Chemistry and Mathematics)
 2. Complete Bachelor's degree (B.Sc./BBA/B.Tech.) in Financial Engineering
- OR**
- Complete Bachelor's degree and then do a Master's in the same or allied field
- OR**
- Pursue a certificate course in Financial Engineering

For admissions, you must qualify entrance examination conducted at national level (JEE Main, JEE Advanced etc.) or state level (WBJEE, AP EAMCET etc.) or institute level (VET, IP etc.)

Please check the duration of the course during enrolment



EXPECTED INCOME

The figures are indicative & subject to change

The approx. salary of a Financial Engineer ranges between **INR 43,000 - 1,70,000*** or more per month.

Source - <https://in.jobble.org/salary/financial-engineer>



WHERE WILL YOU WORK

Places of Work: Investment banks, Commercial banks, Hedge funds, Fintech companies, Insurance companies, Corporate treasuries and Financial regulatory agencies

Work Environment: Financial engineers are normally based in offices. You have to spend long hours on computers, doing research and compiling data. It is not uncommon for financial engineers to work more than 45 hours per week.

Opportunities for differently abled exist in this field

EXPECTED GROWTH PATH



Consultant → Manager/Senior Software Engineer/Project Manager → Senior Manager/Senior Consultant

WHERE WILL YOU STUDY?

The course is offered by the Department of Engineering.
This list of institutes is indicative only

GOVERNMENT INSTITUTES

1. Jadavpur University, Kolkata
2. National Institute of Securities Markets
3. BSE Institute
4. Indian Institute of Technology, Kharagpur
5. College of Engineering Trivandrum , Thiruvananthapuram

PRIVATE INSTITUTES

(Please check if institute is affiliated and accredited with UGC and AICTE before applying)

1. Indian Institute of Capital Markets, Navi Mumbai
2. Indian School of Business Management & Administration, Gujarat (Diploma)
3. GD Goenka University, Gurugram
4. Maharishi University of Information Technology, Noida
5. Amrita Vishwa Vidyapeetham, Coimbatore
6. Adarsh Academy of Information Technology
7. National Academy of Management Studies - NAMS

Information on the institute rankings can be found at -
www.nirfindia.org/2022/Ranking.html

DISTANCE LEARNING INSTITUTE

Indira Gandhi National Open University (IGNOU)

ONLINE COURSES

Udemy - <https://www.udemy.com/course/ai-finance/>



Search keywords...



financial analyst, quantitative risk analyst, financial specialist