

WHY NOT BE A GRADUATE PROFESSIONAL?

"Pursue the most rewarding career while still in college"

"Earn like an MBA just after your Graduation"

ACTUARIAL SCIENCE

"Actuaries Make Financial Sense of the Future"

- FASTEST GROWING CAREER
- No. 3 JOB CHOICE IN USA And UK
- BACKBONE OF INSURANCE INDUSTRY
- CRITICAL TO FINANCE INDUSTRY
- WIDE RANGE APPLICATION IN OTHER FIELD
- MNC JOB BEFORE FULL QUALIFICATION

Earn while you learn

Complete Solution to ACTUARIAL Career

Who is an Actuary?

Actuaries apply financial and statistical theories to solve real business problems. These business problems typically involve analyzing future financial events, especially when amount of future payment, or the timing of when it is paid, is uncertain. A lot of actuaries work might be thought of as 'risk management', assessing how likely an event may be and the costs associated with it. Understanding how business operate, how legislation may impact and how financial economics can affect values are all vital skills for an actuary. But what differentiates actuaries is their core mathematical, economic and statistical understanding and their ability to apply this to real financial problems.



ACTUARIAL COMMON

Next ENTRANCE TEST – June 2013

POINTS TO REMEMBER:

- **EXAMINEE MUST HAVE PASSED 10+2 OR EQUIVALENT.**

REGISTRATION FEE IS Rs 3000/- ONLY (NOT REFUNDABLE).

Exam form will be filled online

- **Exam will be conducted online at a pre selected center at a specific time.**
- **55 multiple choice questions of 100 marks (NEGATIVE MARKING HALF TO WEIGHTAGE OF MARKS FOR AN INCORRECT ANSWER).**
- **SCIENTIFIC CALCULATORS ALLOWED (CASIOFX82, FX83, FX85, SHARP EL531, TEXAS INSTRUMENTS BA II PLUS & T I-30).**

- **Experts in CT Series and ACET Exam coaching.**

ACET Syllabus-

Foundation Course Syllabus

	<i>NAME OF UNIT</i>
<i>UNIT ONE</i>	<i>Notation</i>
<i>UNIT TWO</i>	<i>Numerical Method</i>
<i>UNIT THREE</i>	<i>Mathematical Constant and Standard function</i>
<i>UNIT FOUR</i>	<i>Algebra</i>
<i>UNIT FIVE</i>	<i>Numerical Methods 2</i>
<i>UNIT SIX</i>	<i>Differentiation</i>
<i>UNIT SEVEN</i>	<i>Integration</i>
<i>UNIT EIGHT</i>	<i>Vectors and Matrices</i>

Statistics Course Syllabus

	<i>NAME OF UNIT</i>
<i>UNIT ONE</i>	<i>Types of Data, Measure of location, Skewness</i>
<i>UNIT TWO</i>	<i>Probability and advanced Probability</i>
<i>UNIT THREE</i>	<i>Discrete and continuous Random Variable</i>
<i>UNIT FOUR</i>	<i>Permutation and Combination</i>
<i>UNIT FIVE</i>	<i>Discrete Distributions</i>
<i>UNIT SIX</i>	<i>Continuous Distributions</i>
<i>UNIT SEVEN</i>	<i>Correlation and Regression</i>

Important website:

- *Institute of Actuaries of India* www.actuariesindia.org
- *Institute of Actuaries of UK* www.actuaries.org.uk

Where Do Actuaries Work and What Do They Do?

The insurance industry can't function without actuaries, and that's where most of them work. They calculate the costs to assume risk—how much to charge policyholders for life or health insurance premiums or how much an insurance company can expect to pay in claims.

Actuaries provide a financial evaluation of risk for their companies to be used for strategic management decisions. Because their judgment is heavily relied upon, actuaries' career paths often lead to upper management and executive positions.

When other businesses that do not have actuaries on staff need certain financial advice, they hire actuarial consultants. A consultant can be self-employed in a one-person practice or work for a nationwide consulting firm. Consultant help companies design pension and benefit plans and evaluate assets and liabilities. By delving into the financial complexities of corporations, they help companies calculate the cost of a variety of business risks. Consulting actuaries rub elbows with chief financial officers, operating and human resource executives, and often chief executive officers.

Actuaries work for the government too, helping manage such programs as the Social Security system and Medicare. Since the government regulates the insurance industry and administers laws on pensions and financial liabilities, it also needs actuaries to determine whether companies are complying with the law.

Who else asks an actuary to assess risks and solve thorny statistical and financial problem? You name it: Banks and Investment firms, large corporations, public accounting firms, insurance rating bureaus, labor unions, and fraternal organizations.

To summarize, actuaries work for a variety of employers, including:

- Insurance companies
- Consulting firms
- Government insurance departments
- Colleges and universities
- Banks and investment firms
- Large corporations and public accounting firms

The following is a list of typical actuarial projects:

- Analyzing insurance rates, such as for cars, homes or life insurance.
- Estimating the money to be set-aside for claims that have not yet been paid.
- Participating in corporate planning, such as mergers and acquisitions.
- Calculating a fair price for a new insurance product.
- Forecasting the potential impact of catastrophes.
- Analyzing investment programs.

Are there any restrictions on the number of attempts?

Neither there are restrictions on number of attempts nor is there any time limit within which the exams are to be completed.

How many years does one take to become a qualified Actuary?

There is no fixed duration to complete the course. Since all the 15 subjects prescribed are to be cleared before one is awarded the Fellowship, continued and sustained effort is necessary to complete the course. Single minded devotion, total dedication and a systematic approach to problems are the qualities that will enable a person to qualify as an actuary within a reasonable time.

Actuarial Educational Model

The subjects for the examinations can be categorized in to three groups.

The first group Comprises of the CT series; these involve development of theory of actuarial science and applications of mathematics and statistics to actuarial applications such as life insurance, general insurance, employee benefits, investment and other areas. An introduction to economics, financial economics and financial reporting is also included at this stage

It contains 9 papers

- CT-1 Financial Mathematics
- CT-2 Financial Reporting
- CT-3 Probability and Mathematical Statistics
- CT-4 Models
- CT- 5 General Insurance, Life and Health Contingencies
- CT- 6 Statistical Methods
- CT-7 Economics
- CT-8 Financial Economics
- CT- 9 Business Awareness Module

CA level contains three exam :

- CA-1 Core Applications Concepts
- CA-3 Communication

The ST series subjects are entirely tuned to development of the practices and related principles in the respective areas of work while some part of the CT series could be learnt either through a distance education approach or through a classroom approach, the ST series subjects can be fully understood only in a practical work environment.

Students have 9 option in this level, and they have to clear only 2 exams:

- ST-1 Health and Care
- ST-2 Life Insurance
- ST-4 Pension and Other Employee Benefits
- ST-5 Finance and Investment A
- ST-6 Finance and Investment B
- ST-7 General Insurance- Reserving and Capital Modelling specialist technical
- ST-8 General Insurance - Pricing specialist technical
- ST-9 Enterprise Risk Management

The SA series subjects involve application of knowledge and understanding of principles as well as demonstration of skills professionalism and judgment in an essentially practical situation.

The second group comprises of CA series subjects. CA3 subject is meant to develop skills of communication of technical aspect of the CT series subjects in simple language to non-technical persons; here again the stress in examination question is demonstration of the skills of communications in real life environment.

Preparing for an Actuarial Career While in College

If you are interested in becoming an actuary, there are things you can do to prepare for the career while in college.

Overview of College Curriculum

- *Aim for a broad-based education that concentrates on business and mathematics.*
- *A degree in business, math, or actuarial science is helpful, but don't rule out a major in other subjects like economics, liberal arts, or finance. A double major is not necessary, but it might be a plus.*
- *Whatever your major, it is essential to have a strong mathematical background. Your curriculum should include math courses, such as calculus, probability, statistics, and any courses your school offers in actuarial science.*
- *Business courses, such as finance, accounting, management, economics, and computer science, will increase your career options.*
- *Courses in English, speech, and business writing will help you acquire the communications skills actuaries need.*
- *Because actuaries are involved in a growing variety of social and political issues, courses in the social sciences and humanities will help round out your capabilities.*

Does it help me to have a graduate degree?

- *Not necessarily; the time spent pursuing a graduate degree might be better applied to studying and passing the actuarial exams. Most actuaries earn a bachelor's degree, but do not pursue advanced degrees.*

How do companies support employees who are taking the actuarial exams?

- *Most insurance companies and consulting firms that employ actuaries have established programs to pay for the exam fees for their employees and to provide time during the workday for their employees to study for exams. Often, raises are tied to exam progress.*

WHY FUTURE TRACK ??

FT boasts of one of the largest academic actuarial departments in India. We are involved in teaching of CT, CA and ST series exams. Faculty is the blend of energy and experience; academic and industry; innovative and streamlined to get the most out of the aspiring students and provide the right guidance. Prominent name among faculty includes:-

Rakesh Gupta (CT1, CT3, CT4, CT5 and CT6)

Corporate Trainer & Guest Faculty at leading actuarial companies & colleges

"A visionary with sole motto of assisting students to reach their goals, laid the foundation of Futuretrack. With 12 years of teaching experience, 6 years exclusively in actuarial sciences, he has garnered student's affection for unperturbed efforts. His accomplishment includes consistent track record of students to collect GCA awards. His greatest reward remains the sheer number of his students working as successful actuaries in Indian Actuarial industry."

Gaurav Budhiraja (CT2)

"Real life experience he gained being a practicing CA in a reputed firm, he teaches CT2 with unmatched authority and style. With his innovative teaching methods and energy, he has been the faculty of choice."

Subash Goyal (CT7, CT8 Actuarial Analytics)

"Coming straight from the industry, he is now at a place where heart lies. His on-job experience of being an actuary brings lots of realistic application of otherwise theoretical concepts. He teaches Actuarial Analytics that brings resolutions to job day problems to the classroom."

Honorary faculty from Industry and eminent speakers compliments in house faculty

Complete Solution to ACTUARIAL Career

PLACEMENTS

FT has a fully functional Training and Placement Cell. The Training and Placement cell has established liaison with a good number of Actuarial firms, which would help us to arrange many Campus - Interviews for Job. Placement of students is our topmost priority. Since inception, under the expert guidance from our faculty, more than 250+ students are placed in different Insurance companies and consultancies.

EXCLUSIVE institute for Actuarial Science

Our Accomplishments

List of GCA award winners for 3 papers in one attempt

1. **Himanshu Bhatia** (CT-1,CT-2 and CT-3) Nov2007
2. **Ashish kalra** (CT-1, CT-2 and CT-3) Nov 2007
3. **Himanshu Bhatia** (CT-4, CT-6 and CT-8) Nov 2008
4. **Subhash Goyal** (CT-1, CT-3 and CT-7) Nov 2008
5. **Gautam Sharma** (CT-1, CT-3 and CT-6) May 2009
6. **Alankrita** ((CT-1, CT-3 and CT-6) May 2009
7. **Aditi Chaturvedi** (CT-1,CT-3 and CT-7) Nov 2009
8. **Tarannum Girdhar** (CT-1,CT-3 and CT-7) Nov 2009
9. **Sunakshi Gupta** (CT-1,CT-3 and CT-7) Nov 2009
10. **Ritu Kotnala** (CT-2,CT-6 and CT-7) Nov 2009
11. **Indu Bansal** (CT-1,CT-5 and CT-7) Nov 2009
12. **Kriti Kapoor** (CT-2,CT-6 and CT-7) Nov 2009
13. **Aditya Gupta** (CT-1,CT-2 and CT-3) Nov 2009
14. **Deepa Gupta** (CT-3, CT-5 and CT-6) Nov 2009
15. **Nileema Somani** (CT-1,CT-3 and CT-7) May 2010
16. **Sandya** (CT-1, CT-2 and CT-6) Nov 2009
17. **Neha Sharma** (CT-1,CT-3 and CT-6) May 2010
18. **Harvinder Kaur** (CT-1, CT-5 and CT-6) May 2010
19. **Ranjan Gupta** (CT-1,CT-2 and CT-3) May 2010
20. **Megha Gupta** (CT-1, CT-3 and CT-7) Nov 2010
21. **Aradhna Saran** (CT-1,CT-2 and CT-3) Nov 2010
22. **Paulami Goon** (CT-1,CT-5 and CT-7) Nov 2010
23. **Ranjan Gupta** (CT-5,CT-6 and CT-7) Nov 2010
24. **Amit Gupta** (CT-1, CT-2 and CT-6) Nov 2011
25. **Sakshi Gupta**(CT-1, CT-3 and CT-7) Nov 2011

Winners all the way

(All India Subject Toppers)

- CT-1 Khusbhoo Jain (May 2008)
CT-1 Ashish (May 2009)
CT-1 Sakshi Gupta (Nov 2011)
CT-2 Aparna Arora (May2008)
CT-2 Khusbhoo Jain
CT-2 Chehak Jain (May 2010)
CT-4 Shruti Mahesh (May 2008)
CT-4 kanchan Goel (May 2009)
CT-4 Chehak Jain (Nov 2010)
CT-6 Amit Gupta (Nov 2011)
CT-6 Heena Arora (Nov 2011)
CT-6 Kavita Aggarwal (May 2012)
CT-8 Madhulika Saxena (May 2010)

Testimonials

Chehak Jain

All India Subject topper for CT-1, 2, 4 and 5 and placed at XL insurance

"Future Track- One stop for anything and everything related to actuarial studies. I enjoyed and applied my time learning here and would certainly recommend FT to anyone even remotely interested in actuarial science. The best part of FT is the perfect blend of studies, fun and personal growth."

FUTURE TRACK EDUTECH PVT LTD
complete solution to actuarial career

Delhi

North Campus

2511 near GTB Metro Station
Gate No.4 Hudson Line Kingsway Camp,
New Delhi 110009
Ph: 011 45024949, 9910024949

South Campus

282 Basement, Satya Niketan
Dhaura Kaun, Opp. Sri Venkateswara
(Venki) College
New Delhi 110021 Ph: 9871418019

Mumbai

Mahim

Room No.D/6, Daginewala Mansion
Senapati Bapat Road, Opp. Mahim
Station (west)
Mumbai 400016
Mobile - 922 339 9072

www.futuretrack.org

www.acetcoaching.com