



IIT BOMBAY



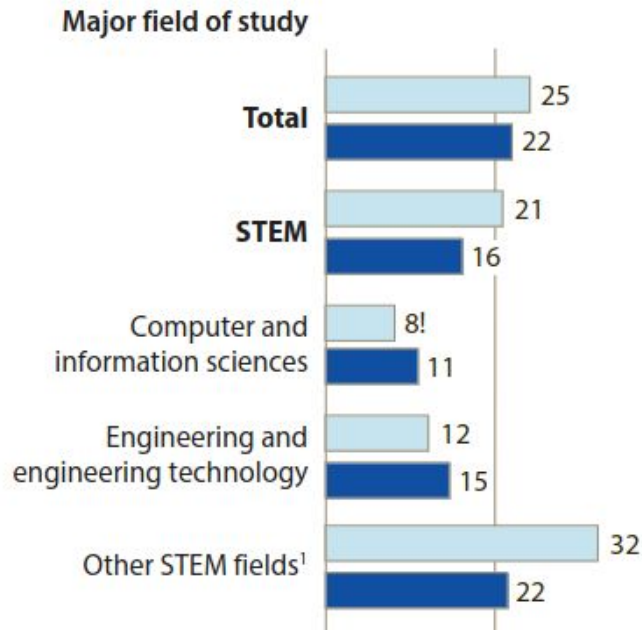
IIT BOMBAY

Centre *for* Liberal Education

Freedom to Learn



Percentage of first-time bachelor's degree recipients who reported that their jobs were not related at all to their undergraduate major, by major field of study: 1997 and 2012



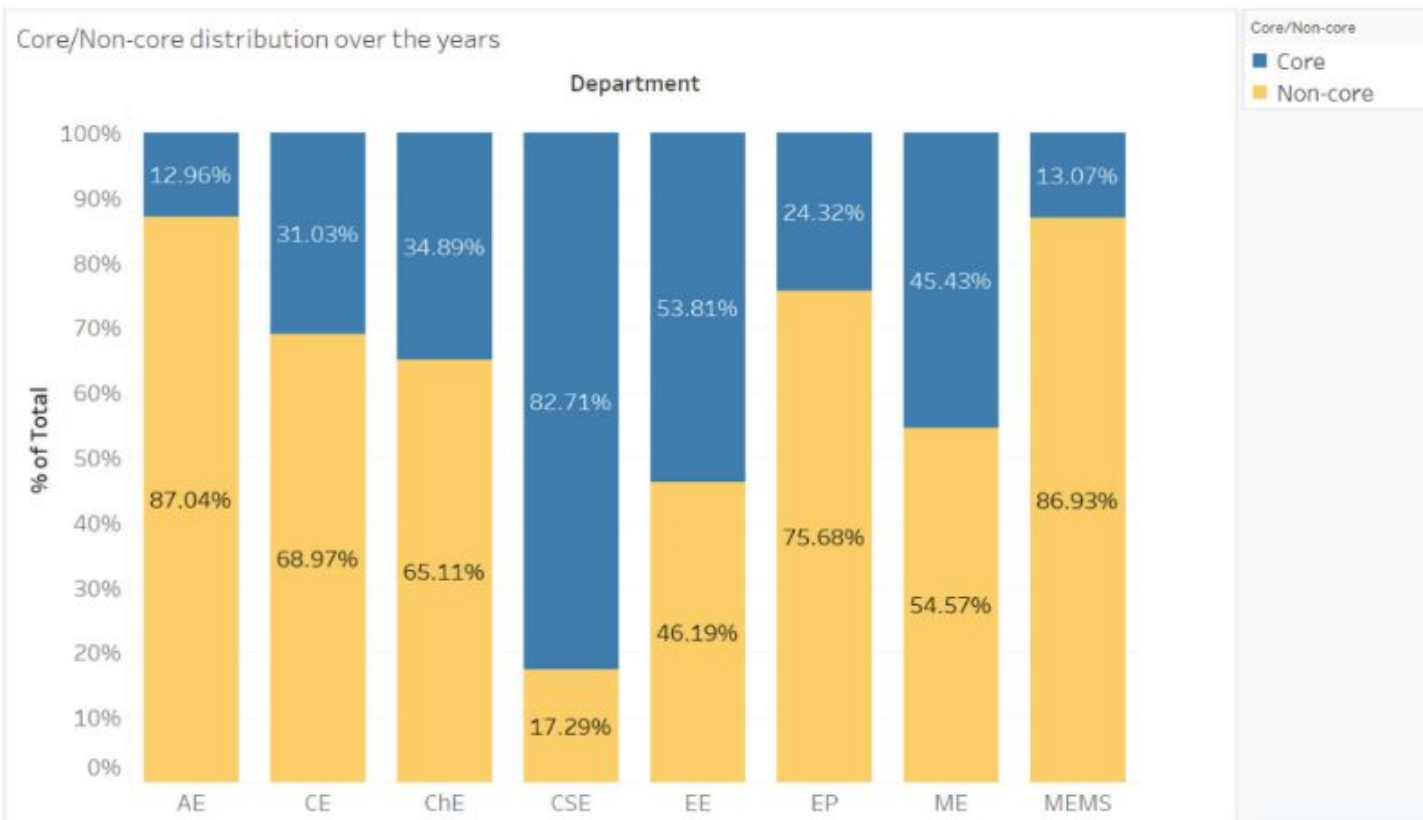


Figure 4. Per cent core and non-core jobs in select departments aggregated over all years.

What is liberal education?

An education founded on student freedom



Liberal education is typically a curriculum mode where students get to choose their branch **AFTER** entering the university

Eg : Students are not admitted to MIT Computer Science, they are admitted to MIT as a whole

Students have complete freedom to choose any course in the Institute and build their own pathway

All students take a common set of core courses as a foundation

Save the core, no two students need to have the same pathway

Students select their own courses with their faculty guide

Better fit

Students find their true talent and interest through experimenting with different courses before choosing their branch

Breadth

Students develop multiple skills from different disciplines and learn how to think rigorously, view a problem from multiple perspectives, think critically, develop strong communication skills

What are the advantages of liberal education?

Commitment

Students are highly motivated because they gravitate to their interests and talents

Innovation

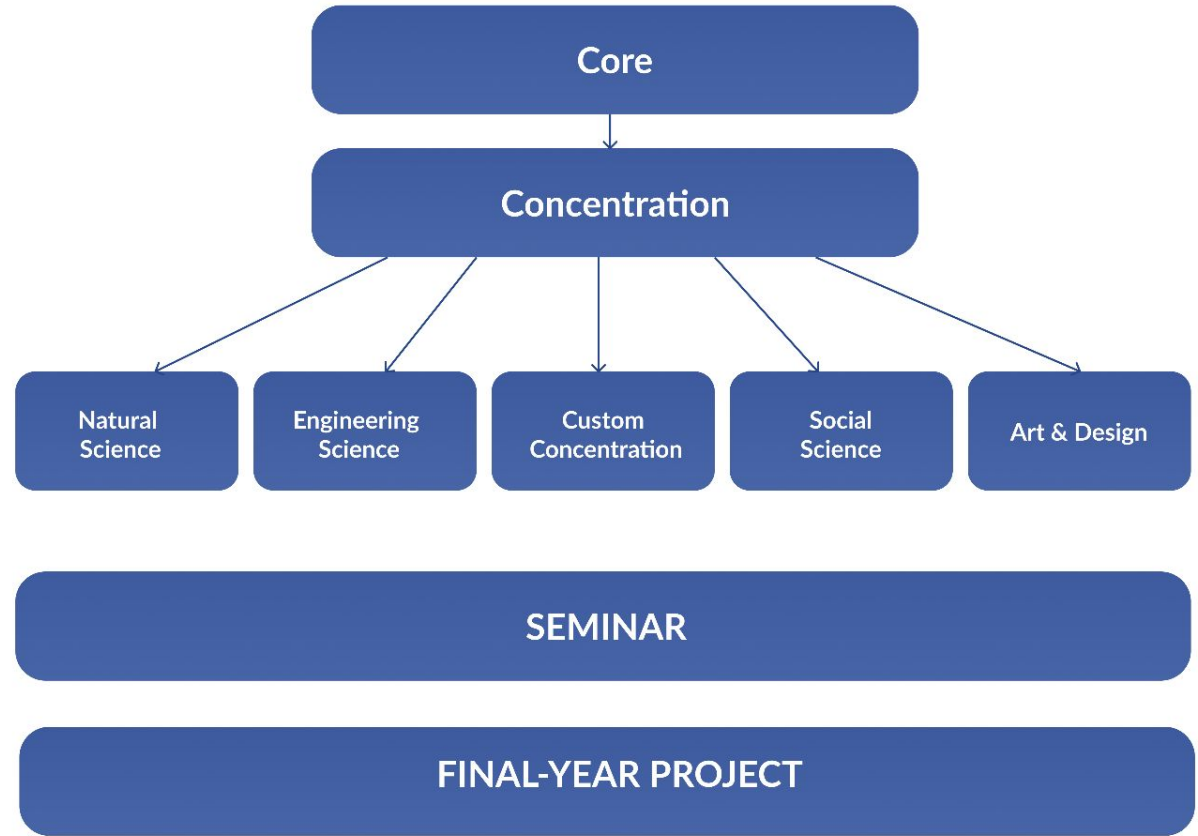
Holistic view of the discipline breeds innovation


Specialisation more effective when built on broad foundation



Liberal Education @IIT Bombay

Branch change
to freedom



A photograph showing several students in a computer lab or classroom. They are seated at desks with multiple computer monitors and are looking at the screens. A chalkboard is visible in the background.

Liberal Education @IIT Bombay

Branch change
to freedom

Step 1: Entrance process (30 seats)

Exam/interview, end of the first year

Step 2: Explore

Take core courses in any semester + courses from any department

Step 3: Concentration

Students will be given a BS degree in Natural Sciences or Engineering Sciences based on their chosen courses

Final Year Project



Core courses (5x8 credits) Semesters 3-4

Modern South Asian History
History of Science
Inequality & Society
Digital Lives



Course Structure

Sr. No.	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8		
1	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	
2	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	
3	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	
4	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	NS/ES/SS/AD 6	Project 1 6	Project 2 6	
5	Core 1 8	Core 2 8	Core 3 8	Core 4 8				
Total		32	32	32	32		24	24 176
First Year								78
Grand Total								254

NS: Natural Sciences; ES: Engineering Sciences; SS: Social Sciences; AD: Art & Design

Natural Sciences

- Any science-focused courses as identified by the IDPC
- Typically courses from Physics, Chemistry, Math, BSBE, and select courses from engineering departments/centres/IDPs

Engineering Sciences

- Any engineering-focused courses as identified by the IDPC
- Typically courses from engineering departments, and select courses from science departments/centres/IDPs

Social Sciences

- Any social science-focused courses as identified by the IDPC
- Typically courses from HSS, SOM, CPS, CTARA, CUSE, and select courses from other departments/centres/IDPs

Art & Design

- Any social art/design-focused courses as identified by the IDPC
- Typically courses from IDC, and select courses from engineering departments/centres/IDPs

Subject to availability, prerequisites and Department approval

After 4 years, students granted degree based on majority of courses taken

If the student has taken 40% NS courses, 30% ES, 20% SS and 10% AD, they are awarded a B.S. in Natural Sciences



Students will graduate with a Bachelor of Science (BS) as per the courses they have taken after 4 years:

BS in Natural Sciences

BS in Engineering Sciences

BS in Social Sciences

BS in Art & Design

BS in <Custom Concentration>

Design Your Degree

Choose your own path to sciences, engineering, or design



At IIT's Centre for Liberal Education (CLE), you get to *design your own degree*. You get the *Freedom to Learn*.

You will have the freedom to choose after admission to IIT Bombay. Students can explore their interests *before* selecting their specialisation from either **Natural Sciences, Engineering Sciences, Social Sciences, or Art & Design**. You can also design a **fully customised concentration** with your guide.

Open to already-admitted undergraduates at IIT Bombay, the CLE's UG program, the **LASE program**, allows students to access any branch of knowledge at IIT Bombay after their first year.

At the end of the first year, undergraduates can attempt a branch change. Now they have one more option: switch to CLE's LASE program and have the freedom to choose their program with the help of their faculty guide. There is also the ability to have a Custom Concentration which is approved by the IDPC.

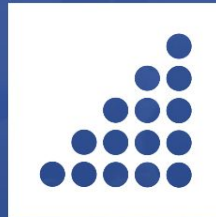
Link to our website

<https://cle.iitb.ac.in/>

Thank You



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