

# ASHOKA ECONOMICS

ACADEMIC EXPO, August 2026



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## VARIETY OF PROGRAMS

- Economics based Foundation Courses
- Economics Major
- Interdisciplinary Major
  - Economics and Finance
  - Economics and Public Policy
  - Philosophy, Politics and Economics (PPE)
  - Economics and History
  - Computer Science, Economics and Maths
- Minor
- Concentration

## A COMMON PRE-REQ

- **Maths in 11th & 12<sup>th</sup> class for all economics related programs (highly recommended)**
- **No Class 11-12 maths but still want to study economics?**
  - **Take MAT 1000 (Calculus) in first semester and obtain a minimum A- grade**
- Economics is both quantitative and qualitative. Quantitative will be a major focus.
- By the standards of mathematicians, the amount of mathematics used in most fields of economics is not much. Even this small amount of math is very powerful.
- To succeed in economics, it is not important to be proficient in mathematics. It is important to understand mathematical ideas and apply them well.

# ECONOMICS PROGRAM IS **SEQUENTIAL**

- There is a common structure to economics programs all over the world.
- First, the students are trained to think like economists. This requires understanding the core concepts and tools of economics.
- Second, the training is used to illuminate important economic issues – whether relating to inflation, fiscal policy, design of health and education programs, the environment, gender, caste and so on.

## WHAT QUESTIONS CAN YOU ANSWER?

- Example 1: Farm laws (2020): farmers can sell anywhere and not just in government controlled APMCs, contract farming allowed, removes various crops from the list of essential commodities, What is the overall impact of these changes? Improves farmer welfare?
- Example 2: Should free electricity be provided; should free health and education be provided. Who gains? Who loses? Is this a good or bad policy?
- Example 3: Is it a good idea to split up large states into smaller ones? If so, what difference does it make to economic indicators like GDP?
- Example 4: Should all children be required to attend pre-school? Would that impact their cognitive abilities? And if so, by how much?

## TECHNIQUES AND APPLICATION

- To even think about how these questions can be answered, you need training in microeconomics/macroeconomics and econometrics (statistical analysis of economic data).
- Finally, there are many fundamental questions: e.g., understanding the extent of cooperation in society, understanding economic inequality and its relation with social deprivation, understanding how well conventional economic measures capture societal and individual well-being etc.
- All of these require a solid foundation of economic and statistical analysis.

## ECONOMICS EDUCATION: INVEST FIRST AND REAP REWARDS

- Much of the economics program till the third year emphasizes training your mind in economic concepts and analysis.
- Although there will be lots of examples illustrating their application, it is the elective courses in the third year that systematically apply the training to various economic issues and topics.
- Be patient, learn well and you will reap ample rewards in the third year and beyond.
- The training that you will receive will enable to think about and analyze difficult economic issues systematically.

## FOUNDATION COURSES OFFERED BY THE ECONOMICS DEPARTMENT

- FC requirements for all UG students are stipulated by the OAA. All students have to follow those.
- This year the economics department is offering two foundation courses under this label.
- Two sections of one FC is being offered by the economics department under the category “Economics, Politics and Society”
- The department will also offer an FC under the category “Quantitative Reasoning and Mathematical Thinking”. This will be on the application of mathematics in the liberal arts.

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## FOUNDATION COURSES OFFERED BY THE ECONOMICS DEPARTMENT

- No mathematics prerequisite for these courses
- The economics foundation course are not mandatory for any of the Econ programs. Nor does it fulfill any of the Econ program requirements.
- You can also opt for an “Economy, Politics and Society” or “Quantitative Reasoning and Mathematical Thinking” foundation course offered by some other department.

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# INTRODUCTION TO ECONOMICS

- The first course **mandatory** to all the Econ programs
- It is the exception that proves the rule - because this course is not so much about techniques but about some of the major issues in economics.
- It is a sampler.

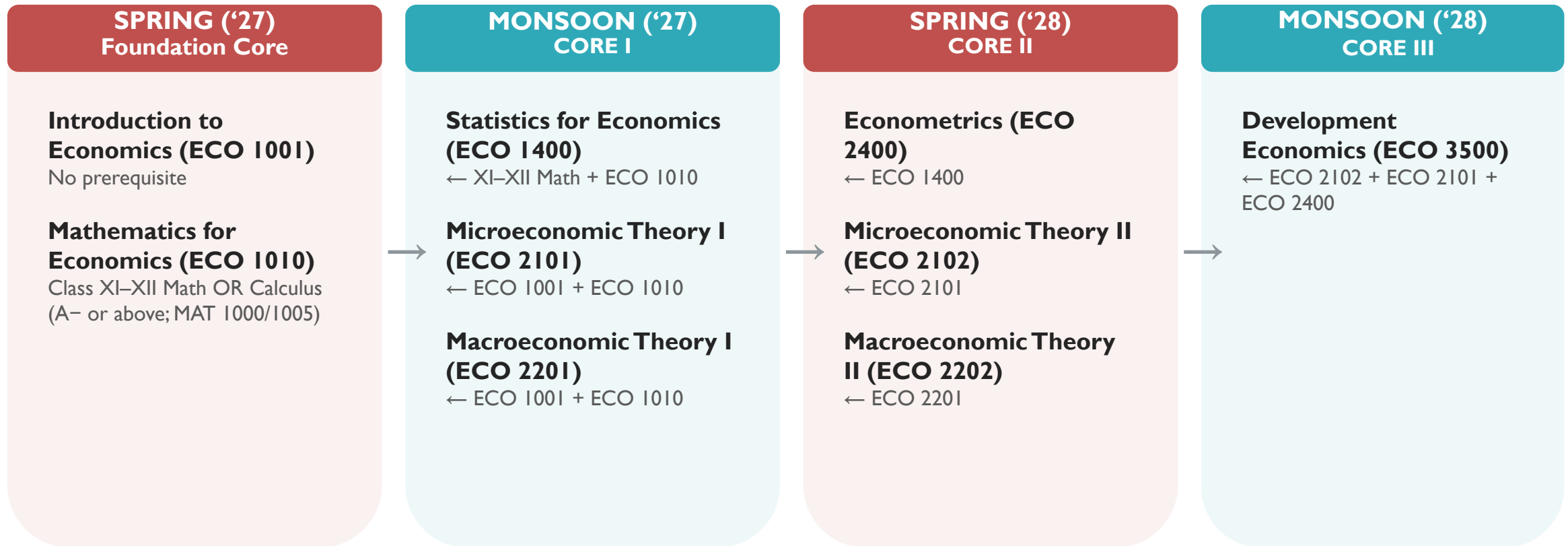
## OTHER MANDATORY/CORE COURSES\*

- Mathematics for Economists (Year 1)
- Statistics (Year 2)
- Econometrics (Year 2)
- Microeconomic Theory I and II (Year 2)
- Macroeconomic Theory I and II (Year 2)
- Development Economics (Year 3)
- Math course must precede all others. Stats course precedes Econometrics. Micro I precedes Micro II and so on.

\*The requirements differ for the CS-EcO-Maths Interdisciplinary major. Please see later and in the handbook.

# LIST OF OFFERED CORE COURSES, SEMESTERS AND PRE-REQS

Nine compulsory courses follow a fixed seasonal sequence



**Sequencing is important**

Finish Intro Econ and Mathematics for Economics before the Monsoon core. Statistics → Econometrics; Theory I → Theory II.

## COURSE PLANNING IS IMPORTANT

- For instance, Intro to Econ and Math for Economists will be offered in Spring 2027
- Micro I, Stats and Macro I will be offered in Monsoon 2027
- So if you miss either of the Intro to Econ or the Math course, then you cannot do the mandatory econ courses in Monsoon 2027. You will have to wait a year to start these courses.
- So keep the Econ calendar for mandatory courses in mind.

# ELECTIVE COURSES

Some of these courses will also be offered as PUB electives:

- Indian Economy
- Industrial Organisation
- Experimental Economics
- Behavioral Economics
- Public Economics
- Labour Economics
- Health Economics
- Macroeconomic Policy
- Trade Policy
- Agri-food systems and Economic Development

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## MORE ELECTIVE COURSES

- Machine Learning in Economics
- Economics of Gender
- Economics of Discrimination
- Economics of Food Security
- Political Economy
- Environmental Economics
- Advanced Econometrics
- Time Series Econometrics
- Monetary Economics

## EVEN MORE...

- International Economics
- International Finance
- Game Theory and Applications
- Economics of Information
- Networks, Markets and Crowds
- Topics in Microeconomic Theory
- Axiomatic Methods and Fair Division
- Pricing Theory and Public Policy
- Mechanism Design

## CREDIT REQUIREMENTS (OVERALL)

- For the 3 year BA/BSc Honours you need to do total 120 credits
- For the 4 year BA/BSc Honours you need to do total 160 credits
- In the 4th year, there is an option to choose the “research track”: UG dissertation for 12 credits
- Two types of credits:
  - **Academic**
  - Non-academic credits (co-curriculars+internships)

## 4-year NEP Program: applicable to the entering batch in 2024-25

- Undergraduate batches admitted in 2022 onwards will fall within the 4-year NEP Programs
- Within this structure, the students have exit options after every year. The following is the nomenclature for degree awarded
- **For further details contact the OAA.**

| EXIT DURATION                   | DEGREE AWARDED                                                              |
|---------------------------------|-----------------------------------------------------------------------------|
| Completion of four year program | B.A/B.Sc. (Honours, four year program) or B.A/B.Sc. (Honours with Research) |
| Exit at the end of three years  | B.A/B.Sc Honours (Major, three year program)                                |
| Exit at the end of two years    | Diploma                                                                     |
| Exit at the end of one year     | Certificate                                                                 |

## CREDIT REQUIREMENTS FROM THE ECON DEPARTMENT

- For the 3 year BA/BSc you need to do 15 major courses (60 credits) from Economics
- For the 4 year BA/BSc Honours you need to do 20 major courses (80 credits) from Economics.
- In the 4th year, there is an option to choose the “research track”: UG dissertation for 12 credits, over & above 80 credits.
- Typically: One course=4 credits but exceptions for ISM

## 4-yr ECON / ECON-ID MAJOR (Hons with Research)

- The **4-year Research** option requires a major CGPA of 3.6 at the end of three years. A total of 12 extra credits for Research will be divided across two semesters:
  - Monsoon Semester Capstone Course Code: ECO-CP-4997 (4 credits)
  - Spring Semester Capstone Course Code: ECO-CP-4998 (8 credits)
  - Exit for those with grade lower than B in Monsoon Semester Capstone Course (Semester 7) and/or find themselves unsuitable for research. Their Monson Sem Capstone credits (4 credits) to count towards non-major ISM.
- Students need to approach potential supervisors at the end of the Spring semester after their 3<sup>rd</sup> year UG degree. If a permanent faculty member of the Economics department agrees to become their supervisor, then they can register for ECO-CP-4997 in their 7<sup>th</sup> semester.
- Students need to complete the 12 credits for Research in addition to 80 credits in 4-year Econ/Econ-ID major requirements.

## 3-yr AND 4-yr DEGREES ECO-FIN (B.Sc. Hons)

|                    | 3-yr Econ Major                                                                                                                                                                                                                                                                                      | 3-yr Econ-Fin Major                                                                  | 4-yr Econ Major                                | 4-yr Econ-Fin Major                                            |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------------|
| Overview           | 15 courses in all                                                                                                                                                                                                                                                                                    | 15 courses in all                                                                    | 20 courses in all                              | 20 courses in all                                              |
| Compulsory Courses | <ul style="list-style-type: none"> <li>- Introduction to Economics</li> <li>- Mathematics for Economists</li> <li>- Statistics, and Econometrics</li> <li>- Micro Theory I and II</li> <li>- Macro Theory I and II</li> <li>- Development Economics</li> </ul> <p><b>[9 in all over 3 years]</b></p> | - All 9 compulsory courses for 3-yr Econ major                                       | - All 9 compulsory courses for 3-yr Econ major | - All 9 compulsory courses for 4-yr Econ major                 |
| Electives          | Any 6 electives                                                                                                                                                                                                                                                                                      | Any 6 ECO/FIN electives. Of this 6, at least 3 FIN electives but not more than 4 FIN | Any 11 electives                               | Any 11 ECO/FIN electives. Of this 11, exactly 4 FIN electives. |

## 3-yr AND 4-yr DEGREES for ECO-PUB (B.A. Hons)

|                    | 3-yr Econ-Pub Major                                           | 4-yr Econ-PUB Major                                             |
|--------------------|---------------------------------------------------------------|-----------------------------------------------------------------|
| Overview           | 15 courses in all                                             | 20 courses in all                                               |
| Compulsory Courses | - All 9 compulsory courses for 3-yr Econ major                | - All 9 compulsory courses for 4-yr Econ major                  |
| Electives          | Any 6 econ/PUB electives. Of this 6, at least 3 PUB electives | Any 11 econ/PUB electives. Of this 11, at least 4 PUB electives |

## 3-yr AND 4-yr Philosophy, Politics and Economics (PPE): ECONOMICS REQUIREMENTS

|                      | 3-YEAR PPE                                                                                                                          | 4-YEAR PPE                                                                                                                                                                                                                                                        |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROGRAM SIZE         | 15 COURSES                                                                                                                          | 20 COURSES                                                                                                                                                                                                                                                        |
| DISCIPLINE BALANCE   | At least 4 courses (16 credits) in each of Economics, Philosophy and Politics                                                       | At least 4 courses (16 credits) in each of Economics, Philosophy and Politics plus one course in Stats from Econ/POL dept.                                                                                                                                        |
| COMPULSORY ECONOMICS | <b>4 COURSES</b><br><br>Introduction to Economics<br>Mathematics for Economists<br>Microeconomic Theory I<br>Macroeconomic Theory I | <b>4 COURSES + 1 course</b><br><br>Introduction to Economics<br>Mathematics for Economists<br>Microeconomic Theory I<br>Macroeconomic Theory I<br><br>Statistics for Economics* (if you want to pursue econ electives with this pre-req) or Pol Econ Quant course |

**\*THE 4-YEAR PPE ADDS STATISTICS FOR ECONOMICS TO THE COMPULSORY CORE IF THE STUDENTS WANT TO PURSUE ANY ELECTIVES IN ECONOMICS WHICH REQUIRE STATISTICS FOR ECONOMICS AS A PREREQUISITE**

## 3-yr AND 4-yr ECO–HIST ID: ECONOMICS REQUIREMENTS

|                      | 3-YEAR ECONOMICS & HISTORY                                                                                                     | 4-YEAR ECONOMICS & HISTORY                                                                                                                                 |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PROGRAM SIZE         | 15 courses in total                                                                                                            | 20 courses in total                                                                                                                                        |
| DISCIPLINE BALANCE   | At least 7 Economics + 7 History courses                                                                                       | 10 Economics + 10 History courses                                                                                                                          |
| COMPULSORY ECONOMICS | <b>4 COURSES</b><br>Introduction to Economics<br>Mathematics for Economics<br>Microeconomic Theory I<br>Macroeconomic Theory I | <b>5 COURSES</b><br>Introduction to Economics<br>Mathematics for Economics<br>Microeconomic Theory I<br>Macroeconomic Theory I<br>Statistics for Economics |
| ADDITIONAL ECONOMICS | <b>At least 3 more Economics courses</b><br><b>Statistics or any 2000-level+ course</b>                                        | <b>5 more Economics courses</b><br><b>Any 2000-level+ course</b>                                                                                           |

**PREREQUISITES APPLY FOR ECONOMICS ELECTIVES• CHECK HISTORY REQUIREMENTS WITH THE HISTORY DEPARTMENT**

# SAMPLE STRUCTURE: 4-YR ECONOMICS PROGRAM

| Semester I        | Semester II               | Semester III             | Semester IV             | Semester V            | Semester VI     | Semester VII    | Semester VIII    |
|-------------------|---------------------------|--------------------------|-------------------------|-----------------------|-----------------|-----------------|------------------|
| Foundation Course | Foundation Course         | Foundation Course        | Foundation Course       | Development Economics | Econ Elective 3 | Econ Elective 6 | Econ Elective 9  |
| Foundation Course | Foundation Course         | Microeconomic Theory I   | Microeconomic Theory II | Econ Elective 1       | Econ Elective 4 | Econ Elective 7 | Econ Elective 10 |
| Foundation Course | Foundation Course         | Macroeconomic Theory I   | Macroeconomic Theory II | Econ Elective 2       | Econ Elective 5 | Econ Elective 8 | Econ Elective 11 |
| Foundation Course | Introduction To Economics | Statistics For Economics | Econometrics            |                       |                 |                 |                  |
|                   | Math for Economics        |                          |                         |                       |                 |                 |                  |

\* This is an indicative table on how to spread Foundation Courses and Economics Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

# SAMPLE STRUCTURE: 4-YR ECONOMICS & FINANCE PROGRAM

| Semester I        | Semester II               | Semester III             | Semester IV             | Semester V            | Semester VI        | Semester VII    | Semester VIII   |
|-------------------|---------------------------|--------------------------|-------------------------|-----------------------|--------------------|-----------------|-----------------|
| Foundation Course | Foundation Course         | Foundation Course        | Foundation Course       | Development Economics | Econ Elective 2    | Econ Elective 4 | Econ Elective 6 |
| Foundation Course | Foundation Course         | Microeconomic Theory I   | Microeconomic Theory II | Econ Elective 1       | Econ Elective 3    | Econ Elective 5 | Econ Elective 7 |
| Foundation Course | Foundation Course         | Macroeconomic Theory I   | Macroeconomic Theory II | Finance Elective 1    | Finance Elective 2 |                 |                 |
| Foundation Course | Introduction To Economics | Statistics For Economics | Econometrics            | Finance Elective 3    | Finance Elective 4 |                 |                 |
|                   | Math for Economics        |                          |                         |                       |                    |                 |                 |

\* This is an indicative table on how to spread Foundation Courses and Economics Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

# SAMPLE STRUCTURE: for 3-YR exit option ECONOMICS PROGRAM

| Semester I        | Semester II               | Semester III             | Semester IV             | Semester V            | Semester VI     |
|-------------------|---------------------------|--------------------------|-------------------------|-----------------------|-----------------|
| Foundation Course | Foundation Course         | Foundation Course        | Foundation Course       | Development Economics | Econ Elective 4 |
| Foundation Course | Foundation Course         | Microeconomic Theory I   | Microeconomic Theory II | Econ Elective 1       | Econ Elective 5 |
| Foundation Course | Foundation Course         | Macroeconomic Theory I   | Macroeconomic Theory II | Econ Elective 2       | Econ Elective 6 |
| Foundation Course | Introduction To Economics | Statistics For Economics | Econometrics            | Econ Elective 3       |                 |
|                   | Math for Economics        |                          |                         |                       |                 |

\* Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters

## SAMPLE STRUCTURE: for 3-YR exit option ECO-FIN PROGRAM

| Semester I        | Semester II               | Semester III             | Semester IV             | Semester V            | Semester VI        |
|-------------------|---------------------------|--------------------------|-------------------------|-----------------------|--------------------|
| Foundation Course | Foundation Course         | Foundation Course        | Foundation Course       | Development Economics | Econ Elective 2    |
| Foundation Course | Foundation Course         | Microeconomic Theory I   | Microeconomic Theory II | Econ Elective 1       | Econ Elective 3    |
| Foundation Course | Foundation Course         | Macroeconomic Theory I   | Macroeconomic Theory II | Finance Elective 1    | Finance Elective 2 |
| Foundation Course | Introduction To Economics | Statistics For Economics | Econometrics            | Finance Elective 3    |                    |
|                   | Math for Economics        |                          |                         |                       |                    |

\*This is an indicative table on how to spread Foundation Courses and Economics Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

## 4-yr DEGREE for CS-ECO-Maths (B.Sc. Hons)

|                    | <b>4-yr CS-ECO-Maths Major</b>                         | <b>4-yr CS-ECO-Maths Major<br/>(with Research)</b>                |
|--------------------|--------------------------------------------------------|-------------------------------------------------------------------|
| Overview           | 20 courses in all                                      | 20 courses in all                                                 |
| Compulsory Courses | CS (5 courses)<br>ECO (5 courses)<br>Maths (5 courses) | CS (5 courses)<br>ECO (5 courses)<br>Maths (5 courses)            |
| Electives          | Any 5 CS/ECO/Math electives                            | Any 5 CS/ECO/Math electives<br><b>Project/Thesis (12 credits)</b> |

\* Note: there is no 3-year exit option for this interdisciplinary major at present

# CS–ECO–MATH: COURSES, PREREQUISITES & PLANNING

Probability & Statistics pathway · 15 compulsory courses (5 per discipline) + 5 CS/ECO/Math electives

## COMPUTER SCIENCE

**Intro to Computer Science**

**Discrete Mathematics**

**Data Structures & Algorithms (DSA)**

← Intro CS + Discrete Math

**Design & Analysis of Algorithms**

← DSA + P&S

**Intro to Machine Learning**

← DSA + Calculus + Linear Algebra + P&S

## ECONOMICS

**Introduction to Economics**

**Microeconomics I**

← Intro Econ + Multivariable Calculus

**Macroeconomics I**

← Intro Econ + Multivariable Calculus

**Microeconomics II**

← Microeconomics I

**Econometrics**

← Probability & Statistics

## MATHEMATICS

**Calculus**

**Multivariable Calculus**

← Calculus

**Probability & Statistics\***

← Calculus

**Linear Algebra**

**Real Analysis**

## KEEP IN MIND

### SEASONAL OFFERINGS

Econ (Monsoon): Micro I, Macro I, Stats for Econ

Econ (Spring): Intro Econ, Micro II, Econometrics

CS: DAA (Spring)

Both terms: Intro CS, Discrete Math, ML, DSA

### LAST-CHANCE CHECKPOINTS

End Sem 4: Calculus, MVC, P&S, Intro Econ, Intro CS, Discrete Math

Sem 5: Linear Algebra

### FOUNDATION COURSES

9 total; ≥3 in Sem 1, ≥2 in Sem 2; finish by end Year 2

### CREDIT LOAD

Sem 1: maximum 16 credits

One of Sem 5–6 may carry 24 credits

← indicates prerequisites

**\*Instead of Probability and Statistics the student can also opt for Statistics for Economics (econ dept course) but then they will need to do an additional course from the math department in lieu (Basic Algebra and Number Theory)**

Open credits: 28; FC credits: 36; Non-academic credits: 6

## SAMPLE STRUCTURE: for 4-YR CS-ECO-MATH Program (with Probability and Stats): 3 FC's in SEM I

| Course Number               | Sem 1     | Sem 2                  | Sem 3                            | Sem 4                        | Sem 5                                      | Sem 6                           | Sem 7                                      | Sem 8                |
|-----------------------------|-----------|------------------------|----------------------------------|------------------------------|--------------------------------------------|---------------------------------|--------------------------------------------|----------------------|
| 1                           | FC        | FC                     | FC                               | FC                           | Macro 1                                    | Real Analysis                   | CS/Math/Eco Elective                       | CS/Math/Eco Elective |
| 2                           | FC        | FC                     | FC                               | FC                           | Linear Algebra                             | Design & Analysis of Algorithms |                                            |                      |
| 3                           | FC        | Multivariable Calculus | Probability and Statistics       | Data Structures & Algorithms | Introduction to Machine Learning           | CS/Math/Eco Elective            |                                            |                      |
| 4                           | Calculus  | Intro to Econ          | Introduction to Computer Science | Micro 2                      | CS/Math/Eco Elective                       | CS/Math/Eco Elective            |                                            |                      |
| 5                           | X         | Discrete Mathematics   | Micro 1                          | Econometrics                 |                                            |                                 |                                            |                      |
| 6                           | X         | X                      | X                                | X                            |                                            | X                               |                                            | X                    |
| 2-credit                    | X         |                        |                                  |                              |                                            |                                 |                                            |                      |
| Thesis                      | X         | X                      | X                                | X                            | X                                          | X                               | Capstone Thesis                            | Capstone Thesis      |
| <b>Max 4-credit courses</b> | <b>16</b> | <b>20</b>              | <b>20</b>                        | <b>20</b>                    | <b>20 in one sem and 24 in another sem</b> |                                 | <b>20 in one sem and 24 in another sem</b> |                      |

|       |
|-------|
| CS    |
| ECO   |
| Maths |
| FC    |

\*This is an indicative table on how to spread Foundation Courses and CS/Economics/Maths Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

# SAMPLE STRUCTURE: for 4-YR CS-ECO-MATH Program (with Stat for Econ): 3 FC's in SEM I

| Course Number               | Sem 1     | Sem 2                  | Sem 3                            | Sem 4                        | Sem 5                                      | Sem 6                           | Sem 7                                      | Sem 8                |
|-----------------------------|-----------|------------------------|----------------------------------|------------------------------|--------------------------------------------|---------------------------------|--------------------------------------------|----------------------|
| 1                           | FC        | FC                     | FC                               | FC                           | Macro 1                                    | Real Analysis                   | CS/Math/Eco Elective                       | CS/Math/Eco Elective |
| 2                           | FC        | FC                     | FC                               | FC                           | Linear Algebra                             | Basic Algebra and Number Theory | CS/Math/Eco Elective                       |                      |
| 3                           | FC        | Multivariable Calculus | Stats for Economics              | Data Structures & Algorithms | Introduction to Machine Learning           | Design & Analysis of Algorithms |                                            |                      |
| 4                           | Calculus  | Intro to Econ          | Introduction to Computer Science | Micro 2                      | CS/Math/Eco Elective                       | CS/Math/Eco Elective            |                                            |                      |
| 5                           | X         | Discrete Mathematics   | Micro 1                          | Econometrics                 |                                            |                                 |                                            |                      |
| 6                           | X         | X                      | X                                | X                            |                                            | X                               |                                            | X                    |
| 2-credit                    | X         |                        |                                  |                              |                                            |                                 |                                            |                      |
| Thesis                      | X         | X                      | X                                | X                            | X                                          | X                               | Capstone Thesis                            | Capstone Thesis      |
| <b>Max 4-credit courses</b> | <b>16</b> | <b>20</b>              | <b>20</b>                        | <b>20</b>                    | <b>20 in one sem and 24 in another sem</b> |                                 | <b>20 in one sem and 24 in another sem</b> |                      |

|       |
|-------|
| CS    |
| ECO   |
| Maths |
| FC    |

\*This is an indicative table on how to spread Foundation Courses and CS/Economics/Maths Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

# SAMPLE STRUCTURE: 4-YR CS-ECO-MATH (WITH PROBABILITY & STATISTICS) - 4 FC's in SEM I

| Course Number               | Sem 1     | Sem 2                            | Sem 3                        | Sem 4                           | Sem 5                                      | Sem 6                | Sem 7                                      | Sem 8                |
|-----------------------------|-----------|----------------------------------|------------------------------|---------------------------------|--------------------------------------------|----------------------|--------------------------------------------|----------------------|
| 1                           | FC        | FC                               | FC                           | FC                              | Micro 1                                    | Micro 2              | CS/Math/Eco Elective                       | CS/Math/Eco Elective |
| 2                           | FC        | FC                               | FC                           | Intro to Econ                   | Macro 1                                    | Real Analysis        |                                            |                      |
| 3                           | FC        | Calculus                         | Multivariable Calculus       | Econometrics                    | Introduction to Machine Learning           | CS/Math/Eco Elective |                                            |                      |
| 4                           | FC        | Introduction to Computer Science | Probability and Statistics   | Linear Algebra                  | CS/Math/Eco Elective                       | CS/Math/Eco Elective |                                            |                      |
| 5                           |           | Discrete Mathematics             | Data Structures & Algorithms | Design & Analysis of Algorithms |                                            |                      |                                            |                      |
| 6                           |           |                                  |                              |                                 |                                            |                      |                                            |                      |
| 2-credit                    | X         |                                  |                              |                                 |                                            |                      |                                            |                      |
| Thesis                      | X         | X                                | X                            | X                               | X                                          | X                    | Capstone Thesis                            | Capstone Thesis      |
| <b>Max 4-credit courses</b> | <b>16</b> | <b>20</b>                        | <b>20</b>                    | <b>20</b>                       | <b>20 in one sem and 24 in another sem</b> |                      | <b>20 in one sem and 24 in another sem</b> |                      |

|       |
|-------|
| CS    |
| ECO   |
| Maths |
| FC    |

\*This is an indicative table on how to spread Foundation Courses and CS/Economics/Maths Courses in your UG curriculum. Odd-numbered semesters are Monsoon semesters, while even semesters are Spring semesters. For overall degree requirements, please see UG handbook.

## OTHER REMARKS...

- The Department has decided to keep the 4yr Minor requirements for Econ as 24 credits (same as the 3-year minor):
- For the 3-year minor, the present 6-course Econ Minor structure may continue.
  - Four compulsory courses: Introduction to Economics, Maths for Economics, Micro Theory I, Macro Theory I
  - Two optional courses. Other of two combinations: Statistics and Econometrics OR Microeconomic Theory II and Macroeconomic Theory II.
- The “Honours with Research” requirements for the 4-year Economics ID majors: 3.6 major CGPA by the end of Third Year. 12 research credits to be distributed as 4+8
  - Exit for those with a grade lower than than B in Monsoon Semester Capstone Course (in Semester 7) and/or do not find themselves suitable for research. Their Monsoon Sem Capstone credits (4 credits) to count towards non-major ISM.



Please email [eco.admin@ashoka.edu.in](mailto:eco.admin@ashoka.edu.in) for any further questions.