

MASTER OF APPLIED SCIENCE IN DATA, ECONOMICS, AND DESIGN OF POLICY

Department of Economics (<https://catalog.mit.edu/schools/humanities-arts-social-sciences/economics/#graduatetext>)

The Master of Applied Science in Data, Economics, and Design of Policy degree is an intensive, five-month blended program requiring 109 units of graduate subjects. The MASc degree is only available to students who have successfully completed the MITx MicroMasters credential in Data, Economics, and Design of Policy. Students receive 48 units of advance standing credit for completion of the MicroMasters Credential, complete at least 61 units of coursework in residence. The subject requirements for this program are described below.

Subject Requirements

Subjects taken online as part of the MicroMasters program

Through a proctored examination process, students receive advanced standing credit for the following MIT subjects which constitute the first semester of the program.

| | | |
|-------------------------------------|--|----|
| 14.01 | Principles of Microeconomics | 12 |
| 14.310 | Data Analysis for Social Scientists | 12 |
| <i>Select two of the following:</i> | | 24 |
| 14.73 | The Challenge of World Poverty | |
| 14.740 | Foundations of Development Policy | |
| 14.750 | Political Economy and Economic Development | |

Subjects taken in residence ¹

| | | |
|--------|--|----|
| 14.320 | Econometric Data Science | 12 |
| 14.399 | Seminar in Data Economics and Development Policy | 12 |

Microeconomics **12**

Select one of the following subjects:

| | | |
|-----------------|--|--|
| 14.003 | Microeconomic Theory and Public Policy ² | |
| 14.131 | Psychology and Economics | |
| 14.160 | Behavioral Economics | |
| 14.161 | Strategy and Information | |
| 14.283 & 14.284 | Advanced Topics in Organizational Economics I and Advanced Topics in Organizational Economics II | |

International Development (Development Economics) **12**

Select one of the following subjects:

| | | |
|--------|---------------------------------------|--|
| 14.772 | Development Economics: Macroeconomics | |
|--------|---------------------------------------|--|

| | | |
|--------|---|--|
| 14.773 | Political Economy: Institutions and Development | |
| 14.750 | Political Economy and Economic Development ³ | |
| 14.760 | Firms, Markets, Trade and Growth | |

Restricted Elective ⁴ **12**

Select one of the following subjects:

| | | |
|-----------|---|--|
| 14.137[J] | Psychology and Economics | |
| 14.150 | Networks | |
| 14.163 | Algorithms and Behavioral Science | |
| 14.260 | Organizational Economics | |
| 14.388 | Inference on Causal and Structural Parameters Using ML and AI | |
| 14.420 | Environmental Policy and Economics | |
| 14.444[J] | Energy Economics and Policy | |

Capstone

| | | |
|--------|---|---|
| 14.001 | Data Economics and Development Policy Summer Internship | 1 |
|--------|---|---|

Total Units **109**

- ¹ Students may substitute similar coursework with advisor's permission.
- ² Students who take 14.003 for advanced standing credit cannot take it in residence for credit.
- ³ Students who take 14.750 for advanced standing credit cannot take it in residence for credit.
- ⁴ With approval of the program director, students can choose one subject within or outside the department.

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| | | |
|---|--|------------|
| 14.009 | Economics and Society's Toughest Problems | 12 |
| 14.310 | Data Analysis for Social Scientists | 12 |
| Subjects taken in residence ¹ | | |
| 14.320 | Econometric Data Science | 12 |
| 14.399 | Seminar in Data Economics and Development Policy | 12 |
| Microeconomics | | 12 |
| <i>Select one of the following subjects:</i> | | |
| 14.131 | Psychology and Economics | |
| 14.160 | Behavioral Economics | |
| 14.161 | Strategy and Information | |
| 14.283 & 14.284 | Advanced Topics in Organizational Economics I and Advanced Topics in Organizational Economics II | |
| Public Policy | | 12 |
| <i>Select one of the following subjects:</i> | | |
| 14.125 | Market Design | |
| 14.200 | Industrial Organization: Competitive Strategy and Public Policy | |
| 14.270 | Economics and E-Commerce | |
| 14.410 | Public Finance and Public Policy | |
| 14.640 | Labor Economics and Public Policy | |
| Restricted Elective ² | | 12 |
| <i>Select one of the following subjects:</i> | | |
| 14.137[[]] | Psychology and Economics | |
| 14.150 | Networks | |
| 14.163 | Algorithms and Behavioral Science | |
| 14.260 | Organizational Economics | |
| 14.388 | Inference on Causal and Structural Parameters Using ML and AI | |
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