Data Analytics in Economics Program

New York City College of Technology (City Tech)

ECON 4201

COURSE DESCRIPTION:

Apply data analytics tools and methods in real-world economic contexts.

Two pathways:

Internship Option or Research Option

<u>Pathway 1: Internship Option</u>

Supervised work experience in Data Analytics conducted with a private company or government agency

REQUIREMENTS TO REGISTER:

To Register for ECON 4201-Internship Option:

1. Must have completed 90 credits (3 years into the degree)

2. Secure an internship in advance

3. Consult:

- Prof. Suela Aalsberg (Internship Coordinator) and/or

- Dr. Sean Macdonald (Program Director)

4. Submit the Internship Placement Form and get official approval from Prof. Aalsberg (saalsberg@citytech.cuny.edu)

5. Register after approval

GRADING REQUIREMENTS:

To Earn Credits for ECON 4201:

1. Complete 120 hours at host company

2. Maintain a log (dates, hours, activities)

3. Submit a reflection paper

4. Complete a written report

5. Deliver an oral presentation

6. Submit a revised resume (by a career advisor at the Professional Development Center-Room L-114)

SUPERVISOR EXPECTATIONS:

Internship Supervisors Are Expected To:

1. Mentor and supervise students

2. Complete an evaluation form (provided by Internship Coordinator near the end of the semester)

INTERNSHIP PREPARATION AND OPPORTUNITIES CHECKLIST:

Start Early – At Least 6 Months in Advance

  Professional Development Center (PDC)

-Schedule a **career advising** appointment

-Register and explore the **Handshake** platform for internships

  Faculty Referrals

-Email Prof. Aalsberg to inquire about internship referrals

-Regularly **check City Tech email** for internship announcements from Prof. Aalsberg

  Online Platforms

-Create/update profile on **LinkedIn**

-Search and apply via **Indeed** and/or other internship/job search platforms

-Explore opportunities on **RippleMatch**

  CUNY Programs

Review and apply for **STEM Internship Programs**:
[CUNY STEM Internships](#)

       Federal Reserve Bank of NY

-Explore **student programs and internships**:
[NY Fed Student Programs](#)

INTERNSHIP TIMING AND FLEXIBILITY

Internship work **can be completed prior to the semester of registration**
• *For example: A Summer 2025 internship → Register for ECON 4201 in Fall 2025*

All **course assignments must be submitted during the registered semester** (e.g., Fall 2025)

Prior approval of both the internship work and the **Placement Form** is still required, regardless of when the internship takes place

Pathway 2: Research Option

Faculty-supervised research project focused on applying data analytics to a relevant economic question or policy issue

REQUIREMENTS TO REGISTER:

To register for ECON 4201 – Research Option:

1. Must have completed **at least 90 credits** (typically 3 years into the degree)

2. Secure a Data Analytics professor to serve as your research mentor

3. Notify Prof. Aalsberg once a mentor has been confirmed in order to proceed with enrollment in ECON 4201

GRADING REQUIREMENTS:

To earn credit for ECON 4201 – Research Option, students must:

1. Conduct independent research under faculty supervision

2. Maintain a research log documenting meetings, progress, and activities

3. Submit a literature review and research proposal

4. Complete a final written paper with data analysis

5. Deliver an oral presentation to faculty and peers

6. Submit a revised resume, approved by a career advisor at the Professional Development Center (Room L-114)