

## **Data Analytics in Economics Program**

*New York City College of Technology (City Tech)*

### **COURSE DESCRIPTION:**

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

### **Two pathways:**

Internship Option or Research Option

### **Pathway 1: Internship Option**

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)