

**Rutgers IC CAE Certificate in  
Intelligence and National Security:  
Critical Technology Studies**

**June 4-6, 2019**

**PROGRAM DESCRIPTION:** This 3-day program provides students with an introduction to the skills and knowledge to apply data science and technology skills in a national security context. The program is open to students from the Rutgers IC CAE Consortium (Rutgers University, Borough of Manhattan Community College, City College of New York, and New Jersey City University). Two tracks are available:

- The **STEM track** is open to students with backgrounds in computer science, information technology and informatics, engineering, mathematics and/or data science. Students in this track have completed coursework in data science, machine learning, artificial intelligence, and/or algorithm design.
- The **non-STEM** track provides an introductory experience in the application of data science and technology skills in the national security context. Students do not need prior experience with data science to participate in this track.

On Day 1, students from the STEM and non-STEM tracks will participate in separate workshops tailored to their existing skill-levels in data science/technology. On Day 2, STEM and non-STEM students will participate in a joint analytical writing and briefing session and scenario-based simulation exercise. STEM and non-STEM students will work on an assigned intelligence question in multi-disciplinary teams and will prepare, and ultimately deliver, a briefing for a panel of "policymakers" on Day 3. The program will conclude with a career panel of current Intelligence Community (IC) professionals to highlight potential career paths and opportunities.

**LOCATION**

Rutgers University Inn  
178 Ryders Lane  
New Brunswick, NJ 08901

**THINGS TO BRING**

Each student must bring a laptop for the duration of the program. You will receive an e-mail outlining software to download in advance.

**DIETARY RESTRICTIONS:** Please contact Sassi Rajput (sassi.rajput@rutgers.edu) with any dietary restrictions.

June 4, 2019

8:30AM-9:00AM	Registration and Breakfast <i>Location: Dining Room</i>	
9:00AM-9:30AM	Welcoming Remarks  <ul style="list-style-type: none"> <li>• Ava Majlesi, Center for Critical Intelligence Studies/Rutgers Intelligence Community Center for Academic Excellence</li> </ul> <i>Location: Dining Room</i>	
9:30AM-10:30AM	Current Threat Assessment and the Application of Technology (Both Tracks)  <i>Location: Dining Room</i>	
10:30AM-11:30AM	Knowledge Discovery and Data Driven Decisions (STEM track)  <ul style="list-style-type: none"> <li>• Rutgers Discovery Informatics Institute</li> </ul> <i>Location: Dining Room</i>	Tableau Session I (non-STEM track)  <ul style="list-style-type: none"> <li>• Scott Fisher, New Jersey City University</li> </ul> <i>Location: Conf Room F</i>
11:30AM-1:30PM	RDI <sup>2</sup> Hands on Workshop (STEM track)  <ul style="list-style-type: none"> <li>• Rutgers Discovery Informatics Institute</li> </ul> <i>Location: Dining Room</i>	Tableau Session II (non-STEM track)  <ul style="list-style-type: none"> <li>• Scott Fisher, New Jersey City University</li> </ul> <i>Location: Conf Room F</i>
1:30PM-2:00PM	Lunch <i>Location: Dining Room</i>	
2:00PM-3:00PM	Knowledge Discovery and Data Driven Decisions (non-STEM track)  <ul style="list-style-type: none"> <li>• Rutgers Discovery Informatics Institute</li> </ul> <i>Location: Dining Room</i>	Tableau Session I (STEM track)  <ul style="list-style-type: none"> <li>• Scott Fisher, New Jersey City University</li> </ul> <i>Location: Conf Room F</i>
3:00PM-5:00PM	RDI <sup>2</sup> Hands on Workshop (non-STEM track)  <ul style="list-style-type: none"> <li>• Rutgers Discovery Informatics Institute</li> </ul> <i>Location: Dining Room</i>	Tableau Session II (STEM track)  <ul style="list-style-type: none"> <li>• Scott Fisher, New Jersey City University</li> </ul> <i>Location: Conf Room F</i>

## June 5, 2019

8:30AM-9:00AM	Registration and Breakfast <i>Location: Dining Room</i>
9:00AM-9:30AM	Welcoming Remarks/Housekeeping
9:30AM-12:30PM	Analytical Writing and Briefing (Both Tracks) <i>Location: Dining Room</i>
12:30-1:00PM	Working Lunch - Extremism Briefing <i>Location: Dining Room</i>
1:00PM-4:00PM	Scenario-based Simulation Exercise (Both Tracks) <i>Location: Dining Room or Conf Room F</i>
4:00PM-4:30PM	Wrap-Up <i>Location: Dining Room</i>

## June 6, 2019

8:30-9:00AM	Registration and Breakfast <i>Location: Dining Room</i>
9:00AM-10:20AM	Pre-Briefing Preparation <i>Location: Dining Room</i>
10:20AM-10:40AM	Briefing Team 1 - <i>Conf Room C (2<sup>nd</sup> floor)</i> Briefing Team 2 - <i>Conf Room D (3<sup>rd</sup> floor)</i>
10:40AM-11:00AM	Briefing Team 3 - <i>Conf Room C (2<sup>nd</sup> floor)</i> Briefing Team 4 - <i>Conf Room D (3<sup>rd</sup> floor)</i>
11:00AM-11:20AM	Briefing Team 5 - <i>Conf Room C (2<sup>nd</sup> floor)</i> Briefing Team 6 - <i>Conf Room D (3<sup>rd</sup> floor)</i>
11:20AM-11:40AM	Briefing Team 7 - <i>Conf Room C (2<sup>nd</sup> floor)</i> Briefing Team 8 - <i>Conf Room D (3<sup>rd</sup> floor)</i>
11:40AM-12:00PM	Break
12:00PM-1:30PM	Lunch/Career Panel <i>Location: Dining Room</i>
1:30PM-2:30PM	Wrap-Up/Feedback Session <i>Location: Dining Room</i>