

Center for Pre-College Programs

INSPIRING YOUNG MINDS FOR COLLEGE ACCESS AND SUCCESS IN



SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)

Forensic Science Initiative 2024-25 Teacher Cohort



Agenda for Today

1. What is FSI?



- 2. Goals of the Forensic Science Initiative
- 3. Components of the Program for teachers
- 4. Components of the Program for students
- 5. Timelines
- 6. Q & A



What is FSI?



Forensic Science Initiative (FSI)

Districts partner with NJIT Center for Pre- College Programs & College of Science and Liberal Arts		Prepare more students for success in STEM fields	Forensic Science appeals to students	
	Forensic Science opens <i>many,</i> <i>many</i> career pathways	even beyond Forensic Science		All Students benefit from targeted FSI PD



Program Goals



- Increase instructional capacity & dual enrollment opportunities through teacher PD
- Strengthen students' science preparation by developing STEM skills and experiences for high school seniors
- Preview for students their potential career trajectory – Forensics is a growth field
- Increase the pipeline to NJIT



Teacher Professional Development

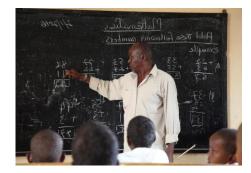
- > Everyone benefits when Teachers report that work with teachers grow professionally us has strengthened their teaching across all science > We prepare teachers to topics teach the foundation course in our BS in Forensics degree program: FRSC 201 Introduction to Forensic Science
- Cohort model: hands-on, active engagement
- > On-campus work coupled with field research
- Stipend available





Teacher Requirements

MS in Forensic Science, Biology,
 Chemistry, or closely related field



- » NJ Teaching Certification in Science
- Recommendation from HS principal/DC
- > Applicant letter expressing interest in teaching forensic science
- Sample of lesson plans taught in STEM subject(s)

Consideration given to:

- > AP teaching experience in a STEM subject
- > Those who meet some qualifications
- Law or forensic lab/field work background

NULL New Jersey Institute of Technology

Timeline – Teachers 2024



- Teachers complete application and are notified of selection – stipend for full participation
- 6/24, 25, 26 Teachers participate in NJ Forensic
 Science Education Conference on campus;
 returning teachers present; *registration fee waived* July 8-11 and 22-24 8 days PD 9-2:30 on campus
- > 9/24-6/25 Teachers in PD 2 days TBD
- > 9/25 and beyond Options teachers have continued supports



Student Summer Program

➤ Open to rising seniors



- Summer JumpStart includes 4 of the many facets of Forensic Science; hands-on labs; field research; on-campus experiences; activities to orient students to college; SAT/ACT prep; college app personal statement development
- Prep for academic year <u>dual enrollment</u> course:
 FRSC 201 Introduction to Forensic Science



JumpStart Student Characteristics

- Motivated to learn
- ➤ Interested in STEM
- Regular attendance all 4 weeks



 Active participation in classes, program activities, college prep experiences



Student Requirements

- > Completion of all three with at least a C:
 - Trigonometry topics
 - Biology
 - Chemistry

- Transcript and latest standardized test scores
- Preference given to <u>dual enrollment</u> in FRSC 201 during senior year
- Enrollment in Pre-Calculus
- Completion of application by qualified students
 - Recommendation from science teacher
 - Student letter expressing interest
 - Parent/guardian approval



Timeline for Students



- > 3/24 Nominate students who will take FRSC 201 in Fall 2024 & Provide transcripts for our review
- > 3/24 Eligible Students invited to complete application (includes parent/guardian signature)
- > 5/24 Students notified of selection
- > 7/8/24 8/2/24 Students attend JumpStart
- > 9/24 Students take FRSC 201 at high schools



Student Day Summer 2024

By 8:50 Be in your seat in class



- 9:00-11:50 Forensic science exploration/labs
- Noon-1:00 Lunch & Recreation in Game Room
- 1:10-2:00 Case studies in forensic science
- 2:10-3:00 ACT/SAT/personal statement Prep 2
- days / Professionalism and Guest Speakers 2 days
- Fridays 9:00-noon Field Research
- 8/2/24 Celebration for students, families, guests



Q & A

We want to hear from you: What questions/comments do you have?



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