



Department initiatives in Cybersecurity and Data Science tracks



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CAE
IN CYBERSECURITY
COMMUNITY



ECECS Dept Initiatives

Polytechnic is a Center of Academic Excellence (CAE) since 2009.

- We have renewed three times since then.



ECECS Dept Initiatives



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Since 2010 Polytechnic is pioneer in offering Cybersecurity courses:

- Ethical Hacking
- Reverse Engineering
- Network Security
- Computer Forensics
- AI, Machine, Data Engineering, and Deep Learning



ECECS Dept Initiatives



Polytechnic obtained successful grants as:

- NSF SfS or Scholarship for Service.
- DOD Cysp Scholarship for students.
- NSA grants for our graduate students in Cybersecurity, Information Assurance, and more.
- NCAE-C for activities for HS students, teachers, faculty, first responders, military personnel, among other.



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Polytechnic obtained successful grants as:

- A PhD scholarship for of our students NCAE-C.
- Collaboration with other CAE institutions in projects given from NCAE
- PUPR has been awarded a grant from the Puerto Rico Department of Economic Development and Commerce (DDEC in Spanish).

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For Computer Science and Computer Engineering,
we applied for NSA program of studies
designation.

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Recent milestones:

- In 2021 Polytechnic was ABET accredited in CS.
- In 2022 Polytechnic was granted the Bachelor in Computer Science 100% online.
- In 2023 Polytechnic was granted the Bachelor in Computer Engineering 100% online.
- In 2024 Polytechnic is expected to have approved the Bachelor in Electrical Engineering 100% online.



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For Computer Science, Computer Engineering and Electrical Engineering, several Undergraduate Certifications will be ready to instruct in 2024:

- Cybersecurity Fundamentals in Network Security, Forensics, Reverse Engineering & Ethical Hacking (18 credits).
- Data Science Fundamentals in Machine Learning, Data Engineering & Deep Learning (18 credits).
- Undergraduate Certificate in Cybersecurity, UCECySec (15 credits).
- Undergraduate Certificate of Web Development Design, UCWDD (15 credits).



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The End!!

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