

Political Science, Security, and Technology, Minor

The Minor in Political Science, Security, and Technology

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<http://www.cmu.edu/cmist> (<https://www.cmu.edu/cmist/>)

Overview

Sponsored by the Carnegie Mellon Institute for Strategy and Technology (CMIST) (<https://www.cmu.edu/cmist/>), the Minor in Political Science, Security, and Technology is designed for students who are majoring in fields from the arts and humanities to science, engineering, and computer science. By adding a new dimension to their major field of study, these students will gain the background and knowledge to address the ethical, social, and political dimensions of new technologies from a political science perspective.

The minor in Political Science, Security, and Technology takes a social science (not technical) approach to studying emerging technologies that affect war and peace. There is no better place to study security and technology than Carnegie Mellon University, a thought leader in global and national security issues, policies, and strategies related to digital technologies. CMU students are uniquely poised to influence the future, with cutting-edge research happening across campus in all the relevant technological areas—e.g., machine learning, cybersecurity, robotics, big data, neuroscience, human-computer interaction, human enhancement, synthetic biology, and various types of artificial intelligence.

In completing this course of study, Carnegie Mellon undergraduates will learn how to analyze the political, economic, social, and ethical dimensions of new technologies, equipping themselves to contribute to vital political debates and influence technological developments in the public interest.

Curriculum

A maximum of two courses may double count between the minor in Politics and Public Policy and another major or minor. Unlimited double counting is permitted with General Education requirements.

Minor in Political Science, Security, and Technology 63 units

Political Science Core 18 units

Students must complete:

	Units
84-101 Introduction to Political Science	9

Students must complete one of the following courses:

84-104 Decision Processes in American Political Institutions	9
84-226 International Relations	9
84-275 Comparative Politics	9

Security and Technology Core 45 units

Students must complete:

84-274 An Introduction to Technology and War	9
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Students must complete 36 units from the following list of courses:

84-314 Politics, Technological Change, and Economic Growth	9
84-330 Race for the Future: US-China Tech Competition	6
84-343 Offensive Cyber: Law & Policy	6
84-345 Hackers, the Law, & Policy Responses	6
84-347 Congress & National Security	9
84-349 Digital Diplomacy: Cybersecurity Challenges and Global Governance	9

84-350 A Strategist's Introduction to Artificial Intelligence	9
84-353 US-China Strategic Stability	6
84-356 Applied Political Data Analytics	9
84-363 Click. Hack. Rule: Understanding the Power & Peril of Cyber Conflict	9
84-368 Technology Ethics	9
84-370 Nuclear Security & Arms Control	9
84-371 International Governance of Artificial Intelligence	9
84-375 Geopolitics of Innovation	9
84-383 National Cyber Policy & Strategy	6
84-387 Remote Systems and the Cyber Domain in Conflict	9
84-405 The Future of Warfare	9