

IS POLITICAL SCIENCE A STEM MAJOR

IS POLITICAL SCIENCE A STEM MAJOR IS A QUESTION THAT OFTEN ARISES AMONG STUDENTS CONSIDERING THEIR ACADEMIC AND CAREER PATHS. AS HIGHER EDUCATION PLACES INCREASING EMPHASIS ON STEM (SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS) DEGREES, MANY WONDER WHERE POLITICAL SCIENCE FITS WITHIN THIS CLASSIFICATION. THIS ARTICLE PROVIDES A COMPREHENSIVE OVERVIEW OF POLITICAL SCIENCE'S RELATIONSHIP WITH STEM, EXPLORING DEFINITIONS, COMMON MISCONCEPTIONS, AND THE IMPLICATIONS FOR STUDENTS AND PROFESSIONALS. WE WILL DISCUSS HOW UNIVERSITIES CATEGORIZE POLITICAL SCIENCE, THE SKILLS DEVELOPED IN THE DISCIPLINE, CAREER OPPORTUNITIES, AND THE IMPACT OF STEM DESIGNATION ON FUNDING AND OPPORTUNITIES. BY THE END OF THIS ARTICLE, READERS WILL HAVE A CLEAR UNDERSTANDING OF WHETHER POLITICAL SCIENCE IS A STEM MAJOR AND WHY THIS DISTINCTION MATTERS.

- UNDERSTANDING STEM: DEFINITIONS AND CRITERIA
- WHAT IS POLITICAL SCIENCE?
- IS POLITICAL SCIENCE CLASSIFIED AS A STEM MAJOR?
- POLITICAL SCIENCE VS. STEM MAJORS: KEY DIFFERENCES
- POLITICAL SCIENCE SKILLS AND THEIR OVERLAP WITH STEM
- IMPLICATIONS OF STEM CLASSIFICATION FOR POLITICAL SCIENCE STUDENTS
- CAREER PATHS FOR POLITICAL SCIENCE GRADUATES
- CONCLUSION: THE PLACE OF POLITICAL SCIENCE IN STEM EDUCATION

UNDERSTANDING STEM: DEFINITIONS AND CRITERIA

STEM IS AN ACRONYM FOR SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS. ACADEMIC INSTITUTIONS AND POLICYMAKERS USE THIS CLASSIFICATION TO GROUP DISCIPLINES THAT FOCUS ON SCIENTIFIC INQUIRY, TECHNOLOGICAL INNOVATION, MATHEMATICAL REASONING, AND ENGINEERING DESIGN. THE CRITERIA FOR A MAJOR TO BE CONSIDERED A STEM FIELD TYPICALLY INCLUDE A STRONG FOUNDATION IN QUANTITATIVE ANALYSIS, EMPIRICAL RESEARCH METHODS, AND PROBLEM-SOLVING SKILLS. IN THE UNITED STATES, THE DEPARTMENT OF HOMELAND SECURITY AND THE NATIONAL SCIENCE FOUNDATION PROVIDE OFFICIAL LISTS OF STEM-DESIGNATED DEGREE PROGRAMS, WHICH ARE CRITICAL FOR MATTERS SUCH AS IMMIGRATION, FUNDING, AND GRANT ELIGIBILITY.

COMMON STEM MAJORS

THE MOST WIDELY RECOGNIZED STEM MAJORS INCLUDE:

- BIOLOGY
- CHEMISTRY
- PHYSICS
- MATHEMATICS
- COMPUTER SCIENCE

- ENGINEERING (ALL BRANCHES)
- STATISTICS
- ENVIRONMENTAL SCIENCE

THESE MAJORS EMPHASIZE QUANTITATIVE SKILLS, LABORATORY WORK, AND TECHNOLOGICAL APPLICATION. MANY FIELDS OUTSIDE THE TRADITIONAL SCIENCES, SUCH AS DATA SCIENCE AND INFORMATION TECHNOLOGY, HAVE ALSO BEEN INCLUDED UNDER THE STEM UMBRELLA DUE TO THEIR RELIANCE ON ANALYTICAL AND TECHNICAL SKILLS.

WHAT IS POLITICAL SCIENCE?

POLITICAL SCIENCE IS A SOCIAL SCIENCE DISCIPLINE THAT STUDIES SYSTEMS OF GOVERNANCE, POLITICAL ACTIVITIES, POLITICAL THOUGHT, AND POLITICAL BEHAVIOR. THE FIELD ENCOMPASSES A BROAD RANGE OF TOPICS, INCLUDING COMPARATIVE POLITICS, INTERNATIONAL RELATIONS, POLITICAL THEORY, PUBLIC POLICY, AND POLITICAL METHODOLOGY. POLITICAL SCIENTISTS USE BOTH QUALITATIVE AND QUANTITATIVE RESEARCH METHODS TO ANALYZE POLITICAL SYSTEMS, INSTITUTIONS, AND SOCIETAL TRENDS.

CORE AREAS OF POLITICAL SCIENCE

POLITICAL SCIENCE IS TYPICALLY DIVIDED INTO SEVERAL SUBFIELDS:

- COMPARATIVE POLITICS
- INTERNATIONAL RELATIONS
- POLITICAL THEORY
- PUBLIC ADMINISTRATION
- POLITICAL METHODOLOGY
- PUBLIC POLICY

WHILE POLITICAL SCIENCE SHARES SOME ANALYTICAL APPROACHES WITH STEM FIELDS, IT IS PRIMARILY ORIENTED AROUND THE STUDY OF HUMAN BEHAVIOR, INSTITUTIONS, AND SOCIETAL STRUCTURES.

IS POLITICAL SCIENCE CLASSIFIED AS A STEM MAJOR?

THE CLASSIFICATION OF POLITICAL SCIENCE AS A STEM MAJOR IS A SUBJECT OF DEBATE AND OFTEN DEPENDS ON INSTITUTIONAL AND GOVERNMENTAL POLICIES. TRADITIONALLY, POLITICAL SCIENCE IS CATEGORIZED UNDER THE SOCIAL SCIENCES, NOT STEM. MOST UNIVERSITIES, ACCREDITATION BOARDS, AND GOVERNMENT AGENCIES DO NOT INCLUDE POLITICAL SCIENCE IN THEIR OFFICIAL LISTS OF STEM MAJORS. THE U.S. DEPARTMENT OF EDUCATION AND THE DEPARTMENT OF HOMELAND SECURITY, FOR EXAMPLE, DO NOT RECOGNIZE POLITICAL SCIENCE AS A STEM FIELD FOR THE PURPOSES OF STEM OPT EXTENSION OR FEDERAL STEM FUNDING.

EXCEPTIONS AND EMERGING TRENDS

IN RECENT YEARS, SOME ACADEMIC PROGRAMS HAVE ADOPTED A MORE QUANTITATIVE OR DATA-DRIVEN APPROACH TO POLITICAL SCIENCE, PARTICULARLY IN THE SUBFIELD OF POLITICAL METHODOLOGY. THESE SPECIALIZED TRACKS MAY EMPHASIZE STATISTICS, DATA ANALYSIS, AND COMPUTATIONAL MODELING. IN RARE CASES, UNIVERSITIES MAY CLASSIFY SUCH PROGRAMS UNDER STEM FOR CERTAIN ADMINISTRATIVE OR FUNDING PURPOSES. HOWEVER, THESE EXCEPTIONS ARE NOT THE NORM, AND THE GENERAL CONSENSUS REMAINS THAT POLITICAL SCIENCE IS NOT A STEM MAJOR.

POLITICAL SCIENCE VS. STEM MAJORS: KEY DIFFERENCES

UNDERSTANDING THE DISTINCTION BETWEEN POLITICAL SCIENCE AND STEM MAJORS IS CRITICAL FOR STUDENTS MAKING ACADEMIC DECISIONS. STEM MAJORS TYPICALLY FOCUS ON THE NATURAL SCIENCES, MATHEMATICS, AND TECHNOLOGY-ORIENTED DISCIPLINES. THEY INVOLVE RIGOROUS QUANTITATIVE COURSEWORK, LABORATORY EXPERIMENTS, AND TECHNICAL SKILL DEVELOPMENT.

MAIN CONTRASTS

- **NATURE OF STUDY:** STEM MAJORS FOCUS ON THE PHYSICAL WORLD, TECHNOLOGY, AND MATHEMATICAL MODELS, WHILE POLITICAL SCIENCE EXAMINES SOCIAL SYSTEMS AND HUMAN BEHAVIOR.
- **RESEARCH METHODS:** STEM FIELDS RELY HEAVILY ON EXPERIMENTAL AND QUANTITATIVE RESEARCH, WHEREAS POLITICAL SCIENCE OFTEN USES A COMBINATION OF QUANTITATIVE AND QUALITATIVE METHODS.
- **CAREER OUTCOMES:** STEM DEGREES OFTEN LEAD TO TECHNICAL OR SCIENTIFIC CAREERS, WHILE POLITICAL SCIENCE GRADUATES PURSUE ROLES IN GOVERNMENT, PUBLIC POLICY, LAW, AND ACADEMIA.
- **CURRICULUM:** STEM PROGRAMS REQUIRE ADVANCED MATHEMATICS AND SCIENCE COURSES; POLITICAL SCIENCE EMPHASIZES THEORY, CRITICAL ANALYSIS, AND RESEARCH ON POLITICAL PHENOMENA.

POLITICAL SCIENCE SKILLS AND THEIR OVERLAP WITH STEM

THOUGH NOT OFFICIALLY A STEM MAJOR, POLITICAL SCIENCE EQUIPS STUDENTS WITH SEVERAL SKILLS THAT OVERLAP WITH THOSE DEVELOPED IN STEM FIELDS. THESE INCLUDE ANALYTICAL THINKING, DATA ANALYSIS, RESEARCH DESIGN, AND PROBLEM-SOLVING. POLITICAL SCIENCE STUDENTS FREQUENTLY ENGAGE WITH STATISTICS, MODELING, AND EMPIRICAL RESEARCH, ESPECIALLY IN COURSES FOCUSED ON POLITICAL METHODOLOGY OR PUBLIC POLICY ANALYSIS.

SHARED COMPETENCIES

- DATA INTERPRETATION AND STATISTICAL ANALYSIS
- CRITICAL THINKING AND LOGICAL REASONING
- RESEARCH DESIGN AND EMPIRICAL METHODS
- USE OF SOFTWARE TOOLS FOR DATA ANALYSIS

POLITICAL SCIENCE MAJORS WITH STRONG QUANTITATIVE SKILLS MAY FIND OPPORTUNITIES IN AREAS SUCH AS POLICY ANALYSIS, PUBLIC OPINION RESEARCH, AND DATA-DRIVEN POLITICAL CONSULTING, WHICH REQUIRE STEM-LIKE COMPETENCIES.

IMPLICATIONS OF STEM CLASSIFICATION FOR POLITICAL SCIENCE STUDENTS

THE OFFICIAL CLASSIFICATION OF A MAJOR AS STEM CAN HAVE SIGNIFICANT IMPLICATIONS FOR STUDENTS. IN THE UNITED STATES, INTERNATIONAL STUDENTS ENROLLED IN STEM-DESIGNATED PROGRAMS ARE ELIGIBLE FOR AN EXTENDED OPTIONAL PRACTICAL TRAINING (OPT) PERIOD AFTER GRADUATION. STEM MAJORS OFTEN HAVE ACCESS TO ADDITIONAL SCHOLARSHIPS, FUNDING, AND RESEARCH OPPORTUNITIES. POLITICAL SCIENCE STUDENTS, UNLESS ENROLLED IN A QUANTITATIVELY FOCUSED OR INTERDISCIPLINARY PROGRAM OFFICIALLY DESIGNATED AS STEM, DO NOT TYPICALLY BENEFIT FROM THESE ADVANTAGES.

IMPACT ON GRADUATE EDUCATION AND EMPLOYMENT

GRADUATE PROGRAMS AND EMPLOYERS MAY PRIORITIZE STEM BACKGROUNDS FOR ROLES IN DATA SCIENCE, ANALYTICS, AND TECHNOLOGY-DRIVEN FIELDS. POLITICAL SCIENCE MAJORS INTERESTED IN THESE AREAS SHOULD CONSIDER SUPPLEMENTING THEIR EDUCATION WITH QUANTITATIVE COURSES OR CERTIFICATIONS TO ENHANCE THEIR COMPETITIVENESS IN THE JOB MARKET.

CAREER PATHS FOR POLITICAL SCIENCE GRADUATES

A DEGREE IN POLITICAL SCIENCE OPENS A DIVERSE ARRAY OF CAREER OPPORTUNITIES, EVEN THOUGH IT IS NOT CLASSIFIED AS A STEM MAJOR. POLITICAL SCIENCE GRADUATES ARE WELL-PREPARED FOR ROLES THAT REQUIRE UNDERSTANDING OF GOVERNMENT, POLICY, RESEARCH, AND COMMUNICATION.

TYPICAL CAREER OPTIONS

- GOVERNMENT AND PUBLIC ADMINISTRATION
- POLICY ANALYSIS
- INTERNATIONAL RELATIONS AND DIPLOMACY
- LAW AND LEGAL SERVICES
- POLITICAL CONSULTING AND CAMPAIGN MANAGEMENT
- NON-PROFIT AND ADVOCACY ORGANIZATIONS
- ACADEMIC AND RESEARCH INSTITUTIONS

WHILE POLITICAL SCIENCE IS NOT A STEM MAJOR, ITS GRADUATES INCREASINGLY FIND ROLES THAT REQUIRE DATA ANALYSIS AND EMPIRICAL RESEARCH, ESPECIALLY IN POLICY THINK TANKS, POLLING ORGANIZATIONS, AND ANALYTICS FIRMS.

CONCLUSION: THE PLACE OF POLITICAL SCIENCE IN STEM EDUCATION

POLITICAL SCIENCE IS A RIGOROUS AND RESPECTED SOCIAL SCIENCE, BUT IT IS NOT OFFICIALLY CLASSIFIED AS A STEM MAJOR

BY MOST EDUCATIONAL AND GOVERNMENTAL AUTHORITIES. THE DISCIPLINE DOES SHARE SOME METHODOLOGICAL SIMILARITIES WITH STEM FIELDS, ESPECIALLY IN QUANTITATIVE ANALYSIS AND EMPIRICAL RESEARCH, BUT ITS PRIMARY FOCUS REMAINS ON THE STUDY OF POLITICAL SYSTEMS, INSTITUTIONS, AND HUMAN BEHAVIOR. WHILE SOME SPECIALIZED POLITICAL SCIENCE TRACKS MAY INCORPORATE STEM ELEMENTS, STUDENTS SHOULD BE AWARE OF THE IMPLICATIONS AND LIMITATIONS OF THE CURRENT CLASSIFICATION SYSTEM WHEN PLANNING THEIR ACADEMIC AND PROFESSIONAL FUTURES.

Q: IS POLITICAL SCIENCE CONSIDERED A STEM MAJOR IN THE UNITED STATES?

A: NO, POLITICAL SCIENCE IS GENERALLY NOT CONSIDERED A STEM MAJOR IN THE UNITED STATES. IT IS CLASSIFIED AS A SOCIAL SCIENCE, THOUGH SOME SPECIALIZED TRACKS WITH A QUANTITATIVE FOCUS MAY BE EXCEPTIONS.

Q: WHY IS POLITICAL SCIENCE NOT A STEM MAJOR?

A: POLITICAL SCIENCE IS NOT A STEM MAJOR BECAUSE IT PRIMARILY STUDIES SOCIAL SYSTEMS, INSTITUTIONS, AND HUMAN BEHAVIOR, RATHER THAN FOCUSING ON NATURAL SCIENCES, MATHEMATICS, TECHNOLOGY, OR ENGINEERING.

Q: CAN INTERNATIONAL STUDENTS IN POLITICAL SCIENCE APPLY FOR STEM OPT EXTENSION?

A: TYPICALLY, INTERNATIONAL STUDENTS PURSUING A STANDARD POLITICAL SCIENCE DEGREE ARE NOT ELIGIBLE FOR THE STEM OPT EXTENSION. ONLY CERTAIN INTERDISCIPLINARY TRACKS WITH OFFICIAL STEM DESIGNATION MAY QUALIFY.

Q: WHAT SKILLS DO POLITICAL SCIENCE STUDENTS GAIN THAT ARE SIMILAR TO STEM?

A: POLITICAL SCIENCE STUDENTS OFTEN DEVELOP SKILLS IN DATA ANALYSIS, RESEARCH DESIGN, CRITICAL THINKING, AND STATISTICS, ESPECIALLY IN QUANTITATIVELY FOCUSED COURSES.

Q: ARE THERE ANY UNIVERSITIES THAT CLASSIFY POLITICAL SCIENCE AS A STEM MAJOR?

A: WHILE RARE, SOME UNIVERSITIES MAY OFFER POLITICAL SCIENCE PROGRAMS WITH A STRONG QUANTITATIVE OR DATA SCIENCE COMPONENT THAT ARE CLASSIFIED AS STEM FOR ADMINISTRATIVE PURPOSES.

Q: DO POLITICAL SCIENCE MAJORS HAVE GOOD CAREER PROSPECTS?

A: YES, POLITICAL SCIENCE MAJORS HAVE DIVERSE CAREER OPTIONS IN GOVERNMENT, POLICY ANALYSIS, LAW, CONSULTING, AND RESEARCH, THOUGH THEIR CAREER PATHS DIFFER FROM TRADITIONAL STEM FIELDS.

Q: WHAT ARE SOME COMMON STEM MAJORS?

A: COMMON STEM MAJORS INCLUDE BIOLOGY, CHEMISTRY, PHYSICS, MATHEMATICS, ENGINEERING, COMPUTER SCIENCE, AND STATISTICS.

Q: CAN POLITICAL SCIENCE GRADUATES WORK IN STEM-RELATED FIELDS?

A: POLITICAL SCIENCE GRADUATES WITH STRONG QUANTITATIVE OR ANALYTICAL SKILLS MAY FIND OPPORTUNITIES IN DATA ANALYSIS, PUBLIC POLICY, OR POLITICAL CONSULTING, WHICH CAN OVERLAP WITH STEM-RELATED WORK.

Q: HOW DOES THE STEM CLASSIFICATION AFFECT FUNDING AND SCHOLARSHIPS?

A: STEM MAJORS OFTEN HAVE ACCESS TO ADDITIONAL SCHOLARSHIPS, GRANTS, AND RESEARCH FUNDING. POLITICAL SCIENCE STUDENTS USUALLY DO NOT QUALIFY FOR STEM-SPECIFIC RESOURCES UNLESS IN A DESIGNATED PROGRAM.

Q: SHOULD STUDENTS INTERESTED IN BOTH POLITICAL SCIENCE AND STEM CONSIDER INTERDISCIPLINARY PROGRAMS?

A: YES, STUDENTS WHO WISH TO COMBINE POLITICAL SCIENCE WITH STEM SKILLS CAN SEEK INTERDISCIPLINARY PROGRAMS THAT OFFER TRAINING IN DATA SCIENCE, POLICY ANALYSIS, OR COMPUTATIONAL SOCIAL SCIENCE.

Is Political Science A Stem Major

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Is Political Science a STEM Major? Unpacking the Debate

Are you passionate about politics, government, and international relations? Do you envision a future analyzing power dynamics, crafting policy, or shaping public opinion? If so, you've likely considered a major in political science. But a question often arises, particularly for students considering future career paths and funding options: Is political science a STEM major? This comprehensive guide will delve into this question, exploring the intricacies of STEM designation and whether political science fits the bill. We'll examine the core characteristics of STEM fields, analyze the nature of political science, and ultimately provide a clear and definitive answer.

Understanding the STEM Designation

Before we tackle the central question, let's establish a firm understanding of what STEM actually encompasses. STEM is an acronym for Science, Technology, Engineering, and Mathematics. The designation isn't simply a label; it carries significant weight, influencing funding opportunities, career paths, and even societal perception.

Core Characteristics of STEM Fields

Several key characteristics define STEM fields:

Quantitative Focus: STEM fields heavily rely on quantitative methods, including mathematical modeling, statistical analysis, and data interpretation.

Scientific Method: A rigorous, systematic approach to investigation, experimentation, and analysis is paramount.

Technological Application: Many STEM fields are directly involved in developing or applying new technologies to solve problems.

Problem-Solving Emphasis: STEM education emphasizes critical thinking, problem-solving, and analytical skills.

Analyzing Political Science: A Qualitative Approach

Political science, at its core, is the systematic study of government, politics, and political behavior. While it utilizes some quantitative methods, its primary approach is qualitative.

The Role of Qualitative Research in Political Science

Political scientists often employ qualitative methods like:

Case Studies: In-depth examinations of specific political events or phenomena.

Comparative Politics: Analyzing political systems across different countries or regions.

Content Analysis: Examining textual data, such as speeches or policy documents, to identify trends and themes.

Interviews and Surveys: Gathering qualitative data through direct interaction with individuals.

Quantitative Methods in Political Science: A Limited Role

While quantitative methods are increasingly used in political science, particularly in areas like public opinion polling and statistical analysis of voting patterns, they are not the defining characteristic of the discipline. The focus often remains on interpreting the meaning behind the numbers rather than simply crunching data.

Is Political Science a STEM Major? The Verdict

Based on the characteristics of STEM fields and the prevailing methodology of political science, the

answer is no, political science is generally not considered a STEM major. While some subfields may utilize quantitative methods, the core of the discipline relies on qualitative analysis and interpretive approaches. This distinction is crucial for students seeking STEM-designated scholarships, grants, or specific career paths.

Beyond the STEM Label: The Value of a Political Science Degree

The fact that political science isn't a STEM major doesn't diminish its value. A strong political science education provides:

Critical Thinking Skills: Analyzing complex information, forming reasoned arguments, and evaluating different perspectives.

Research and Analytical Skills: Conducting research, interpreting data, and drawing well-supported conclusions.

Communication Skills: Articulating complex ideas clearly and persuasively, both verbally and in writing.

Understanding of Governance and Policy: Developing a deep understanding of how governments function and policies are formed.

These skills are highly transferable and valuable across a wide range of careers, including law, journalism, public policy, international relations, and even business.

Conclusion

While the STEM designation carries significant weight, it's essential to understand that the value of an education extends beyond simple labels. Political science offers a rich and rewarding academic path, equipping students with invaluable skills applicable to numerous fulfilling careers. The absence of a STEM designation shouldn't discourage prospective students from pursuing this intellectually stimulating and impactful field.

FAQs

1. Can I combine political science with a STEM field? Absolutely! A double major or minor in a STEM field can complement your political science degree and enhance your career prospects.

2. Are there any STEM-related careers for political science graduates? Yes, data analysis roles in political campaigns or think tanks often utilize statistical and analytical skills.

3. What scholarships are available for political science majors? Numerous scholarships are available, but they are less likely to be specifically designated as "STEM" scholarships.
4. What is the job outlook for political science graduates? The job outlook is diverse, with opportunities in government, non-profit organizations, academia, and the private sector.
5. Does a political science degree prepare me for graduate school? Yes, a strong political science background is excellent preparation for graduate studies in various related fields, including law, public policy, and international affairs.

is political science a stem major: Academically Adrift Richard Arum, Josipa Roksa, 2011-01-15 In spite of soaring tuition costs, more and more students go to college every year. A bachelor's degree is now required for entry into a growing number of professions. And some parents begin planning for the expense of sending their kids to college when they're born. Almost everyone strives to go, but almost no one asks the fundamental question posed by *Academically Adrift*: are undergraduates really learning anything once they get there? For a large proportion of students, Richard Arum and Josipa Roksa's answer to that question is a definitive no. Their extensive research draws on survey responses, transcript data, and, for the first time, the state-of-the-art Collegiate Learning Assessment, a standardized test administered to students in their first semester and then again at the end of their second year. According to their analysis of more than 2,300 undergraduates at twenty-four institutions, 45 percent of these students demonstrate no significant improvement in a range of skills—including critical thinking, complex reasoning, and writing—during their first two years of college. As troubling as their findings are, Arum and Roksa argue that for many faculty and administrators they will come as no surprise—instead, they are the expected result of a student body distracted by socializing or working and an institutional culture that puts undergraduate learning close to the bottom of the priority list. *Academically Adrift* holds sobering lessons for students, faculty, administrators, policy makers, and parents—all of whom are implicated in promoting or at least ignoring contemporary campus culture. Higher education faces crises on a number of fronts, but Arum and Roksa's report that colleges are failing at their most basic mission will demand the attention of us all.

is political science a stem major: Other Ways to Win Kenneth C. Gray, Edwin L. Herr, 2006-02-16 Now in its third edition, this bestseller offers new data, recommendations, and observations that explore the choices for success available to students in the academic middle.

is political science a stem major: Kennedy and Roosevelt Michael Beschloss, 2016-08-16 The revealing story of Franklin Roosevelt, Joe Kennedy, and a political alliance that changed history, from a New York Times-bestselling author. When Franklin Roosevelt ran for president in 1932, he gained the support of Joseph Kennedy, a little-known businessman with Wall Street connections. Instrumental in Roosevelt's victory, their partnership began a longstanding alliance between two of America's most ambitious power brokers. Kennedy worked closely with FDR as the first chairman of the Securities and Exchange Commission, and later as ambassador to Great Britain. But at the outbreak of World War II, sensing a threat to his family and fortune, Kennedy lobbied against American intervention—putting him in direct conflict with Roosevelt's intentions. Though he retreated from the spotlight to focus on the political careers of his sons, Kennedy's relationship with Roosevelt would eventually come full circle in 1960, when Franklin Roosevelt Jr. campaigned for John F. Kennedy's presidential win. With unprecedented access to Kennedy's private diaries as well as firsthand interviews with Roosevelt's family and White House aides, New York Times-bestselling author Michael Beschloss—called "the nation's leading presidential historian" by *Newsweek*—presents an insightful study in contrasts. Roosevelt, the scion of a political dynasty, had a genius for the machinery of government; Kennedy, who built his own fortune, was a political outsider determined to build a dynasty of his own. From the author of *The Conquerors* and

Presidential Courage, this is a “fascinating account of the complex, ambiguous relationship of two shrewd, ruthless, power-hungry men” (The New York Times Book Review).

is political science a stem major: Cracking the code UNESCO, 2017-09-04 This report aims to 'crack the code' by deciphering the factors that hinder and facilitate girls' and women's participation, achievement and continuation in science, technology, engineering and mathematics (STEM) education and, in particular, what the education sector can do to promote girls' and women's interest in and engagement with STEM education and ultimately STEM careers.

is political science a stem major: Graduate STEM Education for the 21st Century National Academies of Sciences, Engineering, and Medicine, Policy and Global Affairs, Board on Higher Education and Workforce, Committee on Revitalizing Graduate STEM Education for the 21st Century, 2018-09-21 The U.S. system of graduate education in science, technology, engineering, and mathematics (STEM) has served the nation and its science and engineering enterprise extremely well. Over the course of their education, graduate students become involved in advancing the frontiers of discovery, as well as in making significant contributions to the growth of the U.S. economy, its national security, and the health and well-being of its people. However, continuous, dramatic innovations in research methods and technologies, changes in the nature and availability of work, shifts in demographics, and expansions in the scope of occupations needing STEM expertise raise questions about how well the current STEM graduate education system is meeting the full array of 21st century needs. Indeed, recent surveys of employers and graduates and studies of graduate education suggest that many graduate programs do not adequately prepare students to translate their knowledge into impact in multiple careers. Graduate STEM Education for the 21st Century examines the current state of U.S. graduate STEM education. This report explores how the system might best respond to ongoing developments in the conduct of research on evidence-based teaching practices and in the needs and interests of its students and the broader society it seeks to serve. This will be an essential resource for the primary stakeholders in the U.S. STEM enterprise, including federal and state policymakers, public and private funders, institutions of higher education, their administrators and faculty, leaders in business and industry, and the students the system is intended to educate.

is political science a stem major: The Oxford Handbook of Women and the Economy Susan L. Averett, Laura M. Argys, Saul D. Hoffman, 2018-05-15 The transformation of women's lives over the past century is among the most significant and far-reaching of social and economic phenomena, affecting not only women but also their partners, children, and indeed nearly every person on the planet. In developed and developing countries alike, women are acquiring more education, marrying later, having fewer children, and spending a far greater amount of their adult lives in the labor force. Yet, because women remain the primary caregivers of children, issues such as work-life balance and the glass ceiling have given rise to critical policy discussions in the developed world. In developing countries, many women lack access to reproductive technology and are often relegated to jobs in the informal sector, where pay is variable and job security is weak. Considerable occupational segregation and stubborn gender pay gaps persist around the world. The Oxford Handbook of Women and the Economy is the first comprehensive collection of scholarly essays to address these issues using the powerful framework of economics. Each chapter, written by an acknowledged expert or team of experts, reviews the key trends, surveys the relevant economic theory, and summarizes and critiques the empirical research literature. By providing a clear-eyed view of what we know, what we do not know, and what the critical unanswered questions are, this Handbook provides an invaluable and wide-ranging examination of the many changes that have occurred in women's economic lives.

is political science a stem major: Barriers and Opportunities for 2-Year and 4-Year STEM Degrees National Academies of Sciences, Engineering, and Medicine, National Academy of Engineering, Policy and Global Affairs, Board on Higher Education and Workforce, Division of Behavioral and Social Sciences and Education, Board on Science Education, Committee on Barriers and Opportunities in Completing 2-Year and 4-Year STEM Degrees, 2016-06-18 Nearly 40 percent of

the students entering 2- and 4-year postsecondary institutions indicated their intention to major in science, technology, engineering, and mathematics (STEM) in 2012. But the barriers to students realizing their ambitions are reflected in the fact that about half of those with the intention to earn a STEM bachelor's degree and more than two-thirds intending to earn a STEM associate's degree fail to earn these degrees 4 to 6 years after their initial enrollment. Many of those who do obtain a degree take longer than the advertised length of the programs, thus raising the cost of their education. Are the STEM educational pathways any less efficient than for other fields of study? How might the losses be stemmed and greater efficiencies realized? These questions and others are at the heart of this study. *Barriers and Opportunities for 2-Year and 4-Year STEM Degrees* reviews research on the roles that people, processes, and institutions play in 2-and 4-year STEM degree production. This study pays special attention to the factors that influence students' decisions to enter, stay in, or leave STEM majors—quality of instruction, grading policies, course sequences, undergraduate learning environments, student supports, co-curricular activities, students' general academic preparedness and competence in science, family background, and governmental and institutional policies that affect STEM educational pathways. Because many students do not take the traditional 4-year path to a STEM undergraduate degree, *Barriers and Opportunities* describes several other common pathways and also reviews what happens to those who do not complete the journey to a degree. This book describes the major changes in student demographics; how students view, value, and utilize programs of higher education; and how institutions can adapt to support successful student outcomes. In doing so, *Barriers and Opportunities* questions whether definitions and characteristics of what constitutes success in STEM should change. As this book explores these issues, it identifies where further research is needed to build a system that works for all students who aspire to STEM degrees. The conclusions of this report lay out the steps that faculty, STEM departments, colleges and universities, professional societies, and others can take to improve STEM education for all students interested in a STEM degree.

is political science a stem major: *The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education* National Academies of Sciences, Engineering, and Medicine, Policy and Global Affairs, Board on Higher Education and Workforce, Committee on Integrating Higher Education in the Arts, Humanities, Sciences, Engineering, and Medicine, 2018-06-21 In the United States, broad study in an array of different disciplines —arts, humanities, science, mathematics, engineering— as well as an in-depth study within a special area of interest, have been defining characteristics of a higher education. But over time, in-depth study in a major discipline has come to dominate the curricula at many institutions. This evolution of the curriculum has been driven, in part, by increasing specialization in the academic disciplines. There is little doubt that disciplinary specialization has helped produce many of the achievement of the past century. Researchers in all academic disciplines have been able to delve more deeply into their areas of expertise, grappling with ever more specialized and fundamental problems. Yet today, many leaders, scholars, parents, and students are asking whether higher education has moved too far from its integrative tradition towards an approach heavily rooted in disciplinary silos. These silos represent what many see as an artificial separation of academic disciplines. This study reflects a growing concern that the approach to higher education that favors disciplinary specialization is poorly calibrated to the challenges and opportunities of our time. *The Integration of the Humanities and Arts with Sciences, Engineering, and Medicine in Higher Education* examines the evidence behind the assertion that educational programs that mutually integrate learning experiences in the humanities and arts with science, technology, engineering, mathematics, and medicine (STEMM) lead to improved educational and career outcomes for undergraduate and graduate students. It explores evidence regarding the value of integrating more STEMM curricula and labs into the academic programs of students majoring in the humanities and arts and evidence regarding the value of integrating curricula and experiences in the arts and humanities into college and university STEMM education programs.

is political science a stem major: *The Latino Student's Guide to STEM Careers* Laura I.

Rendón, Vijay Kanagala, 2017-09-08 This book is an essential resource that Latino/a students and families need to make the best decisions about entering and succeeding in a STEM career. It can also serve to aid faculty, counselors, and advisors to assist students at every step of entering and completing a STEM career. As a fast-growing, major segment of the U.S. population, the next generation of Latinos and Latinas could be key to future American advances in science and technology. With the appropriate encouragement for Latinos/as to enter science, technology, engineering, and mathematics (STEM) careers, they can become the creative innovators who will produce technological advances we all need and can enjoy—from faster tech devices to more energy efficient transportation to cures for diseases and medical conditions. This book presents a compelling case that the nation's Hispanic population must be better represented in STEM careers and that the future of America's technological advances may well depend on the Latino/a population. It focuses on the importance of STEM education for Latinos/as and provides a comprehensive array of the most current information students and families need to make informed decisions about entering and succeeding in a STEM career. Students, families, and educators will fully understand why STEM is so important for Latinos/as, how to plan for a career in STEM, how to pay for and succeed in college, and how to choose a career in STEM. The book also includes compelling testimonials of Latino/a students who have completed a STEM major that offer proof that Latinos/as can overcome life challenges to succeed in STEM fields.

is political science a stem major: Theorizing STEM Education in the 21st Century Kehdinga George Fomunyan, 2020-02-26 Theorising STEM Education in the 21st Century is a book that captures the essence of Science, Technology, Engineering and Mathematics and the intricacies of STEM education in the contemporary society. It explores STEM as an interdisciplinary field as well as the individual disciplines that make up STEM. This ensures the field of STEM as a whole is theorised. The book provides critical insight on STEM education from Cairo to Cape Town or from America to Indonesia. With a team of authors from universities across the world, the book is a vital contribution to critical scholarship on STEM education in contemporary times.

is political science a stem major: Science, Technology, Engineering, and Mathematics (Stem) Education Heather B. Gonzalez, Jeffrey J. Kuenzi, 2012-08-10 The term “STEM education” refers to teaching and learning in the fields of science, technology, engineering, and mathematics. It typically includes educational activities across all grade levels—from pre-school to post-doctorate—in both formal (e.g., classrooms) and informal (e.g., afterschool programs) settings. Federal policymakers have an active and enduring interest in STEM education and the topic is frequently raised in federal science, education, workforce, national security, and immigration policy debates. For example, more than 200 bills containing the term “science education” were introduced between the 100th and 110th congresses. The United States is widely believed to perform poorly in STEM education. However, the data paint a complicated picture. By some measures, U.S. students appear to be doing quite well. For example, overall graduate enrollments in science and engineering (S&E) grew 35% over the last decade. Further, S&E enrollments for Hispanic/Latino, American Indian/Alaska Native, and African American students (all of whom are generally underrepresented in S&E) grew by 65%, 55%, and 50%, respectively. On the other hand, concerns remain about persistent academic achievement gaps between various demographic groups, STEM teacher quality, the rankings of U.S. students on international STEM assessments, foreign student enrollments and increased education attainment in other countries, and the ability of the U.S. STEM education system to meet domestic demand for STEM labor. Various attempts to assess the federal STEM education effort have produced different estimates of its scope and scale. Analysts have identified between 105 and 252 STEM education programs or activities at 13 to 15 federal agencies. Annual federal appropriations for STEM education are typically in the range of \$2.8 billion to \$3.4 billion. All published inventories identify the Department of Education, National Science Foundation, and Health and Human Services as key agencies in the federal effort. Over half of federal STEM education funding is intended to serve the needs of postsecondary schools and students; the remainder goes to efforts at the kindergarten-through-Grade 12 level. Much of the funding for

post-secondary students is in the form of financial aid. Federal STEM education policy concerns center on issues that relate to STEM education as a whole—such as governance of the federal effort and broadening participation of underrepresented populations—as well as those that are specific to STEM education at the elementary, secondary, and postsecondary levels. Governance concerns focus on perceived duplication and lack of coordination in the federal effort; broadening participation concerns tend to highlight achievement gaps between various demographic groups. Analysts suggest a variety of policy proposals in elementary, secondary, and postsecondary STEM education. At the K-12 level, these include proposals to address teacher quality, accountability, and standards. At the post-secondary level, proposals center on efforts to remediate and retain students in STEM majors. This report is intended to serve as a primer for outlining existing STEM education policy issues and programs. It includes assessments of the federal STEM education effort and the condition of STEM education in the United States, as well as an analysis of several of the policy issues central to the contemporary federal conversation about STEM education. Appendix A contains frequently cited data and sources and Appendix B includes a selection of major STEM-related acts.

is political science a stem major: Women of Color In STEM Beverly Irby, Nahed Abdelrahman, Barbara Polnick, Julia Ballenger, 2021-03-01 Though there has been a rapid increase of women's representation in law and business, their representation in STEM fields has not been matched. Researchers have revealed that there are several environmental and social barriers including stereotypes, gender bias, and the climate of science and engineering departments in colleges and universities that continue to block women's progress in STEM. In this book, the authors address the issues that encounter women of color in STEM in higher education.

is political science a stem major: Handbook of Research on STEM Education Carla C. Johnson, Margaret J. Mohr-Schroeder, Tamara J. Moore, Lyn D. English, 2020-04-27 The Handbook of Research on STEM Education represents a groundbreaking and comprehensive synthesis of research and presentation of policy within the realm of science, technology, engineering, and mathematics (STEM) education. What distinguishes this Handbook from others is the nature of integration of the disciplines that is the founding premise for the work - all chapters in this book speak directly to the integration of STEM, rather than discussion of research within the individual content areas. The Handbook of Research on STEM Education explores the most pressing areas of STEM within an international context. Divided into six sections, the authors cover topics including: the nature of STEM, STEM learning, STEM pedagogy, curriculum and assessment, critical issues in STEM, STEM teacher education, and STEM policy and reform. The Handbook utilizes the lens of equity and access by focusing on STEM literacy, early childhood STEM, learners with disabilities, informal STEM, socio-scientific issues, race-related factors, gender equity, cultural-relevancy, and parental involvement. Additionally, discussion of STEM education policy in a variety of countries is included, as well as a focus on engaging business/industry and teachers in advocacy for STEM education. The Handbook's 37 chapters provide a deep and meaningful landscape of the implementation of STEM over the past two decades. As such, the findings that are presented within provide the reader with clear directions for future research into effective practice and supports for integrated STEM, which are grounded in the literature to date.

is political science a stem major: Field Research in Political Science Diana Kapiszewski, Lauren M. MacLean, Benjamin L. Read, 2015-03-19 This book explains how field research contributes value to political science by exploring scholars' experiences, detailing exemplary practices, and asserting key principles.

is political science a stem major: Accessibility and Diversity in the 21st Century University Berg, Gary A., Venis, Linda, 2020-05-01 In higher education institutions across the world, rapid changes are occurring as the socio-economic composition of these universities is shifting. The participation of females, ethnic minority groups, and low-income students has increased exponentially, leading to major changes in student activities, curriculum, and overall campus culture. Significant research is a necessity for understanding the need of broader educational access and promoting a newly empowered diverse population of students in today's

universities. Accessibility and Diversity in the 21st Century University is a pivotal reference source that provides vital research on the provision of higher educational access to a more diverse population with a specific focus on the growing population of women in the university, key intersections with race and sexual preference, and the experiences of low-income students, mid-career and reentry students, and special needs populations. While highlighting topics such as adult learning, race-based achievement gaps, and women's studies, this publication is ideally designed for educators, higher education faculty, deans, provosts, chancellors, policymakers, sociologists, anthropologists, researchers, scholars, and students seeking current research on modern advancements of diversity in higher education systems.

is political science a stem major: Teaching Research Methods in Political Science Jeffrey L. Bernstein, 2021-06-25 Teaching Research Methods in Political Science brings together experienced instructors to offer a range of perspectives on how to teach courses in political science. It focuses on numerous topics, including identifying good research questions, measuring key concepts, writing literature reviews and developing information literacy skills.

is political science a stem major: The Impact of the Social Sciences Simon Bastow, Patrick Dunleavy, Jane Tinkler, 2014-01-17 The impact agenda is set to shape the way in which social scientists prioritise the work they choose to pursue, the research methods they use and how they publish their findings over the coming decade, but how much is currently known about how social science research has made a mark on society? Based on a three year research project studying the impact of 360 UK-based academics on business, government and civil society sectors, this groundbreaking new book undertakes the most thorough analysis yet of how academic research in the social sciences achieves public policy impacts, contributes to economic prosperity, and informs public understanding of policy issues as well as economic and social changes. The Impact of the Social Sciences addresses and engages with key issues, including: identifying ways to conceptualise and model impact in the social sciences developing more sophisticated ways to measure academic and external impacts of social science research explaining how impacts from individual academics, research units and universities can be improved. This book is essential reading for researchers, academics and anyone involved in discussions about how to improve the value and impact of funded research.

is political science a stem major: Political Science in the Shadow of the State Rainer Eisfeld, Matthew Flinders, 2021-07-11 What is the link between scholarship and democracy? What role do academics play in sustaining democratic values? Why should concerns about the 'hollowing-out' of democracy include a focus on the changing governance of higher education? Offering the first comparative analysis of how both democratic and autocratic politicians are seeking to control the research funding landscape, this book reveals a very worrying shift in the relationships between the state and universities: With higher education politically redefined as a mere tool of economic strategy, the space for academic autonomy, intellectual independence and critical thinking is being closed down. This book will be of interest to anyone concerned about democratic governance and the future of higher education.

is political science a stem major: The African American Student's Guide to STEM Careers Robert T. Palmer, Andrew T. Arroyo, Alonzo Flowers, 2016-12-05 This book comprehensively reviews the factors that facilitate access and success of Black students in STEM majors in higher education, and it shares compelling testimonies from Black STEM professionals that will help inspire the next generation of Black scientists and engineers. Most experts agree that America's success depends on having a workforce that is highly prepared in STEM areas. Unfortunately, students of color continue to be underrepresented in higher education, and specifically, in completing degrees and entering careers within the STEM fields. This book supports African American students (as well as all students) who are interested in STEM careers, providing information on the top colleges with STEM-related programs, particularly those that best support racially diverse students; practical advice for preparing for entrance into STEM programs; and inspirational stories of successful African Americans in STEM-related careers. Authored by three

educators expert in the areas of academic development of African Americans and minorities, STEM, and higher education, *The African American Student's Guide to STEM Careers* focuses on preparing Black students for STEM from K-12 through graduate school. Readers will more fully appreciate the importance of STEM, recognize why more Black students need to be more actively engaged in these disciplines, and understand how to prepare Black students for success in STEM throughout the educational pipeline.

is political science a stem major: *A Comparative Introduction to Political Science* Alan G. Smith, 2016-04-08 When are legislators inclined to cast votes in cooperation with their parties, and when do they go their own way? When and why do nations contend with each other, and when are they more likely to cooperate? Thematically arranged around the interplay of contention and cooperation, *A Comparative Introduction to Political Science* encourages students to explore causal factors and consequences related to political phenomena to become knowledgeable and resourceful citizens of their nations and the world. Alan Smith covers how patterns of contention and cooperation—and the resulting government policies—may be affected by such factors as the surrounding political framework, the distribution of influence, and political motivation, including values as well as material interests. To expose students to the politics of specific nations, each chapter concludes with two country case studies that illuminate the theme of the chapter. Students emerge with a sense of what is going on in the world today. Pedagogically, the book employs careful sequencing of topics and concepts for clarity and to introduce politics in a natural, logical, synchronized way. At times Smith goes beyond sharp, night-and-day terminological distinctions to add accessible, ordinary language-based terminology that better captures the real-world spectrum between the extremes. *A Comparative Introduction to Political Science: Contention and Cooperation* provides a comprehensive teaching and learning package including these ancillaries: Test Bank. Available for adopters to download, the Test Bank provides multiple-choice, true/false, and essay questions for each chapter. Testing Software. This customizable test bank is available as a Word file or in Respondus 4.0—a powerful tool for creating and managing exams that can be printed out or published directly to the most popular learning management systems. Exams can be created offline or moved from one LMS to another. Respondus LE is available for free and can be used to automate the process of creating printed tests. Respondus 3.5, available for purchase or via a school site license, prepares tests to be uploaded to an LMS. Click here: <http://www.respondus.com/products/testbank/search.php> to submit your request. Companion Website. The open-access Companion Website is designed to engage students with the material and reinforce what they've learned in the classroom. For each chapter, flash cards and self-quizzes help students master the content and apply that knowledge to real-life situations. Students can access the Companion Website from their computers, tablets, or mobile devices. eBook. The full-color eBook allows students to access this textbook anytime, anywhere. The eBook includes the entire print edition rendered in vibrant color and features direct links to the Companion Website. PowerPoint Slides. For every chapter, art slides of all figures and tables are available for adopters to download.

is political science a stem major: Minority Serving Institutions National Academies of Sciences, Engineering, and Medicine, Policy and Global Affairs, Board on Higher Education and Workforce, Committee on Closing the Equity Gap: Securing Our STEM Education and Workforce Readiness Infrastructure in the Nation's Minority Serving Institutions, 2019-02-05 There are over 20 million young people of color in the United States whose representation in STEM education pathways and in the STEM workforce is still far below their numbers in the general population. Their participation could help re-establish the United States' preeminence in STEM innovation and productivity, while also increasing the number of well-educated STEM workers. There are nearly 700 minority-serving institutions (MSIs) that provide pathways to STEM educational success and workforce readiness for millions of students of color—and do so in a mission-driven and intentional manner. They vary substantially in their origins, missions, student demographics, and levels of institutional selectivity. But in general, their service to the nation provides a gateway to higher education and the workforce, particularly for underrepresented students of color and those from

low-income and first-generation to college backgrounds. The challenge for the nation is how to capitalize on the unique strengths and attributes of these institutions and to equip them with the resources, exceptional faculty talent, and vital infrastructure needed to educate and train an increasingly critical portion of current and future generations of scientists, engineers, and health professionals. *Minority Serving Institutions* examines the nation's MSIs and identifies promising programs and effective strategies that have the highest potential return on investment for the nation by increasing the quantity and quality MSI STEM graduates. This study also provides critical information and perspective about the importance of MSIs to other stakeholders in the nation's system of higher education and the organizations that support them.

is political science a stem major: *The Place to Be?* Campaign for Social Science,, 2021-11-24 This Academy of Social Sciences report shows how UK social sciences are making powerful practical contributions to improving places – cities, regions, counties or countries – in the UK. It includes 24 case studies highlighting how university-based social scientists are helping with place-based 'levelling up'. It covers many different social science disciplines in all parts of the UK working on projects from the purely local to those that tackle issues that occur across the UK but that affect different areas or regions differently. The examples are not about broader social science research or policy prescriptions but practical efforts to work with private sector businesses, local authorities and local health and education bodies and others to improve area-based disadvantage in the UK.

is political science a stem major: *Talking about Leaving Revisited* Elaine Seymour, Anne-Barrie Hunter, 2019-12-10 *Talking about Leaving Revisited* discusses findings from a five-year study that explores the extent, nature, and contributory causes of field-switching both from and among "STEM" majors, and what enables persistence to graduation. The book reflects on what has and has not changed since publication of *Talking about Leaving: Why Undergraduates Leave the Sciences* (Elaine Seymour & Nancy M. Hewitt, Westview Press, 1997). With the editors' guidance, the authors of each chapter collaborate to address key questions, drawing on findings from each related study source: national and institutional data, interviews with faculty and students, structured observations and student assessments of teaching methods in STEM gateway courses. Pitched to a wide audience, engaging in style, and richly illustrated in the interviewees' own words, this book affords the most comprehensive explanatory account to date of persistence, relocation and loss in undergraduate sciences. Comprehensively addresses the causes of loss from undergraduate STEM majors—an issue of ongoing national concern. Presents critical research relevant for nationwide STEM education reform efforts. Explores the reasons why talented undergraduates abandon STEM majors. Dispels popular causal myths about why students choose to leave STEM majors. This volume is based upon work supported by the Alfred P. Sloan Foundation Award No. 2012-6-05 and the National Science Foundation Award No. DUE 1224637.

is political science a stem major: *War, Peace, and Security* Jacques Fontanel, Manas Chatterji, 2008-10-13 In the name of international and domestic security, billions of dollars are wasted on unproductive military spending in both developed and developing countries, when millions are starving and living without basic human needs. This book contains articles relating to military spending, military industrial establishments, and peace keeping.

is political science a stem major: *Teaching Civic Engagement* Alison Rios Millett McCartney, Elizabeth A. Bennion, Dick W. Simpson, 2013 *Teaching Civic Engagement* provides an exploration of key theoretical discussions, innovative ideas, and best practices in educating citizens in the 21st century. The book addresses theoretical debates over the place of civic engagement education in Political Science. It offers pedagogical examples in several sub-fields, including evidence of their effectiveness and models of appropriate assessment. Written by political scientists from a range of institutions and subfields, *Teaching Civic Engagement* makes the case that civic and political engagement should be a central part of our mission as a discipline.

is political science a stem major: *Barriers and Opportunities for 2-Year and 4-Year STEM Degrees* National Academies of Sciences, Engineering, and Medicine, National Academy of

Engineering, Policy and Global Affairs, Board on Higher Education and Workforce, Division of Behavioral and Social Sciences and Education, Board on Science Education, Committee on Barriers and Opportunities in Completing 2-Year and 4-Year STEM Degrees, 2016-05-18 Nearly 40 percent of the students entering 2- and 4-year postsecondary institutions indicated their intention to major in science, technology, engineering, and mathematics (STEM) in 2012. But the barriers to students realizing their ambitions are reflected in the fact that about half of those with the intention to earn a STEM bachelor's degree and more than two-thirds intending to earn a STEM associate's degree fail to earn these degrees 4 to 6 years after their initial enrollment. Many of those who do obtain a degree take longer than the advertised length of the programs, thus raising the cost of their education. Are the STEM educational pathways any less efficient than for other fields of study? How might the losses be stemmed and greater efficiencies realized? These questions and others are at the heart of this study. *Barriers and Opportunities for 2-Year and 4-Year STEM Degrees* reviews research on the roles that people, processes, and institutions play in 2-and 4-year STEM degree production. This study pays special attention to the factors that influence students' decisions to enter, stay in, or leave STEM majors—quality of instruction, grading policies, course sequences, undergraduate learning environments, student supports, co-curricular activities, students' general academic preparedness and competence in science, family background, and governmental and institutional policies that affect STEM educational pathways. Because many students do not take the traditional 4-year path to a STEM undergraduate degree, *Barriers and Opportunities* describes several other common pathways and also reviews what happens to those who do not complete the journey to a degree. This book describes the major changes in student demographics; how students, view, value, and utilize programs of higher education; and how institutions can adapt to support successful student outcomes. In doing so, *Barriers and Opportunities* questions whether definitions and characteristics of what constitutes success in STEM should change. As this book explores these issues, it identifies where further research is needed to build a system that works for all students who aspire to STEM degrees. The conclusions of this report lay out the steps that faculty, STEM departments, colleges and universities, professional societies, and others can take to improve STEM education for all students interested in a STEM degree.

is political science a stem major: The Law of Deliberative Democracy Ron Levy, Graeme Orr, 2016-11-03 Laws have colonised most of the corners of political practice, and now substantially determine the process and even the product of democracy. Yet analysis of these laws of politics has been hobbled by a limited set of theories about politics. Largely absent is the perspective of deliberative democracy – a rising theme in political studies that seeks a more rational, cooperative, informed, and truly democratic politics. Legal and political scholarship often view each other in reductive terms. This book breaks through such caricatures to provide the first full-length examination of whether and how the law of politics can match deliberative democratic ideals. Essential reading for those interested in either law or politics, the book presents a challenging critique of laws governing electoral politics in the English-speaking world. Judges often act as spoilers, vetoing or naively reshaping schemes meant to enhance deliberation. This pattern testifies to deliberation's weak penetration into legal consciousness. It is also a fault of deliberative democracy scholarship itself, which says little about how deliberation connects with the actual practice of law. Superficially, the law of politics and deliberative democracy appear starkly incompatible. Yet, after laying out this critique, *The Law of Deliberative Democracy* considers prospects for reform. The book contends that the conflict between law and public deliberation is not inevitable: it results from judicial and legislative choices. An extended, original analysis demonstrates how lawyers and deliberativists can engage with each other to bridge their two solitudes.

is political science a stem major: Metrics That Matter Zachary Bleemer, Mukul Kumar, Aashish Mehta, Chris Muellerleile, Christopher Newfield, 2023-03-21 Colleges sell themselves by the numbers—rankings, returns on investments, and top-ten lists—but these often mislead prospective students. What numbers should they really be paying attention to? High school and college students

are inundated by indicators and rankings supposedly designed to help them decide where to go to college and what to study once they arrive. In *Metrics That Matter*, coauthors Zachary Bleemer, Mukul Kumar, Aashish Mehta, Chris Muellerleile, and Christopher Newfield take a critical look at these metrics and find that many of the most popular ones are confusing, misleading, and—most importantly—easily replaceable by more helpful alternatives. *Metrics That Matter* explores popular metrics used by future and current college students, with chapters focusing on colleges' return on investment, university rankings, average student debt, average wages by college major, and more. Written for students, their families, and the counselors who advise them, each chapter explains a common metric's fundamental flaws when used as a basis for making important educational decisions. The authors then draw on decades of scholarship from many academic fields to pair each metric with a concrete recommendation for alternative information, both qualitative and quantitative, that would be more useful and meaningful for students to consider. They emphasize that students should be thinking beyond solely using metrics when making college decisions—students should focus on their intellectual and academic education goals, not just vocational or monetary ones. Students' reliance on certain metrics has skewed universities away from providing high-quality education and distorted the perception of higher education's purpose, overemphasizing private financial returns over the broader economic and social benefits of universities. This book aims to facilitate important student decisions while reorienting public perceptions of higher education's values and how universities should measure their own success.

is political science a stem major: Colleges That Create Futures Princeton Review, 2016-05-10 KICK-START YOUR CAREER WITH THE RIGHT ON-CAMPUS EXPERIENCE! When it comes to getting the most out of college, the experiences you have outside the classroom are just as important as what you study. *Colleges That Create Futures* looks beyond the usual “best of” college lists to highlight 50 schools that empower students to discover practical, real-world applications for their talents and interests. The schools in this book feature distinctive research, internship, and hands-on learning programs—all the info you need to help find a college where you can parlay your passion into a successful post-college career. Inside, You'll Find: • In-depth profiles covering career services, internship support, student group activity, alumni satisfaction, noteworthy facilities and programs, and more • Candid assessments of each school's academics from students, current faculty, and alumni • Unique hands-on learning opportunities for students across majors • Testimonials on career prep from alumni in business, education, law, and much more

***** What makes *Colleges That Create Futures* important? You've seen the headlines—lately the news has been full of horror stories about how the college educational system has failed many recent grads who leave school with huge debt, no job prospects, and no experience in the working world. *Colleges That Create Futures* identifies schools that don't fall into this trap but instead prepare students for successful careers! How are the colleges selected? Schools are selected based on survey results on career services, grad school matriculation, internship support, student group and government activity, alumni activity and salaries, and noteworthy facilities and programs.

is political science a stem major: Psychological Science Catherine A. Sanderson, Karen R. Huffman, 2023-04-27 *Psychological Science: The Curious Mind*, by award-winning authors and professors Catherine A. Sanderson and Karen Huffman, introduces 21st-century, digital-native students to the fascinating field of psychology. This new program emphasizes the importance of developing scientific literacy and an understanding of research and research methods. The program uses an inviting why-focused framework that taps into students' natural curiosity, incorporating active learning and real-life application to engage students. *Psychological Science: The Curious Mind* embraces the guidelines released by the American Psychological Association (APA)'s Introductory Psychology Initiative (IPI) in 2021. It provides an excellent framework for instructors who want to implement those guidelines in their Introductory Psychology courses, and it provides students with the content and motivation to achieve the course's ultimate outcome: an enduring, foundational understanding of psychological science.

is political science a stem major: Education for Sustainable Development in Foreign

Language Learning María J. de la Fuente, 2021-11-30 This unique volume utilizes the UNESCO Education for Sustainable Development (ESD) framework to illustrate successful integration of sustainability education in post-secondary foreign language (FL) learning. Showcasing a variety of approaches to using content-based instruction (CBI) in college-level courses, this text valuably demonstrates how topics relating to environmental, social, and cultural dimensions of sustainability can be integrated in FL curricula. Chapters draw on case studies from colleges throughout the US and consider theoretical and practical concerns relating to models of sustainability-based teaching and learning. Chapters present examples of project-, problem-, and task-based approaches, as well as field work, debate, and reflective pedagogies to enhance students' awareness and engagement with sustainable development issues as they acquire a foreign language. Insights and recommendations apply across languages and highlight the potential contribution of FL learning to promote sustainability literacy amongst learners. This text will benefit researchers, academics, and educators in higher education with an interest in Modern Foreign Languages, sustainability education, training, and leadership more broadly.

is political science a stem major: Political Science American Political Science Association. Meeting, 1986 If at one time we thought that the movement to science would yield unification of the discipline, it is now apparent that there are many roads to science. Still it is important for us to consider yet again what the appropriate goals are for our scientific enterprise. What works in theory building; induction and deduction; prediction and control; the search for useful principles to guide us - examining these questions, we can build a better science. Political science has come so far as a discipline that different schools and scholars have different interpretations of science in the study of pol.

is political science a stem major: The Love Hypothesis Ali Hazelwood, 2021-09-14 The Instant New York Times Bestseller and TikTok Sensation! As seen on THE VIEW! A BuzzFeed Best Summer Read of 2021 When a fake relationship between scientists meets the irresistible force of attraction, it throws one woman's carefully calculated theories on love into chaos. As a third-year Ph.D. candidate, Olive Smith doesn't believe in lasting romantic relationships--but her best friend does, and that's what got her into this situation. Convincing Anh that Olive is dating and well on her way to a happily ever after was always going to take more than hand-wavy Jedi mind tricks: Scientists require proof. So, like any self-respecting biologist, Olive panics and kisses the first man she sees. That man is none other than Adam Carlsen, a young hotshot professor--and well-known ass. Which is why Olive is positively floored when Stanford's reigning lab tyrant agrees to keep her charade a secret and be her fake boyfriend. But when a big science conference goes haywire, putting Olive's career on the Bunsen burner, Adam surprises her again with his unyielding support and even more unyielding...six-pack abs. Suddenly their little experiment feels dangerously close to combustion. And Olive discovers that the only thing more complicated than a hypothesis on love is putting her own heart under the microscope.

is political science a stem major: Degrees and Pedigrees Michael T. Nietzel, 2017-08-10 The book answers the questions of how and where America educates its leading chief executive officers. Where are America's top executives educated? What do they study? Do they typically attend the nation's most elite colleges? Or do they, like millions of other students, choose colleges because of reasons like proximity, cost, and state pride? How important are advanced degrees to their success? Is the MBA a prerequisite for becoming a CEO? I address these questions based on a study of 344 of the country's highest profile CEOs selected to represent a wide range of organizations and businesses. The book will establish a theme that the majority of America's most high-powered CEOs did not attend elite colleges/universities or earn an MBA or graduate from highly selective institutions. Certainly, a significant number did so and were advantaged by the opportunity, but more often they were able to fashion for themselves a high-quality education at a rich array of institutions - public and private, regional and flagship, small and large, religious and secular. What proves more important than what colleges these leading executives attended, is the kinds of deep relationships and mentored experiences they developed. I illuminate these experiences through

several vignettes in each chapter.

is political science a stem major: Polished Melissa Osborne, 2024-05-01 An illuminating look at the emotional costs of mobility faced by first-generation and low-income college students. While college initiates a major transition in all students' lives, low-income and first-generation students attending elite schools are often entering entirely new worlds. Amid the financial and academic challenges of adapting to college, their emotional lives, too, undergo a transformation. Surrounded by peers from different classes and cultural backgrounds, they are faced with an impossible choice: turn away from their former lives to blend in or stay true to themselves and remain on the outside. An ethnography that draws on in-depth interviews with one hundred and fifty first-generation and low-income students across eighteen elite institutions, Polished uncovers the hidden consequences of the promise of social mobility in today's educational landscape. Sociologist Melissa Osborne reveals how the very support designed to propel first-generation students forward can unexpectedly reshape their identities, often putting them at odds with their peers and families. Without direct institutional support, this emotional journey can lead to alienation, mental health challenges, poor academic outcomes, and difficult choices between upward mobility or maintaining authenticity and community. Whether you're an educator, advocate, or student, Polished provides a powerful perspective on the uncharted challenges of social mobility and personal identity during college.

is political science a stem major: *Commencement Programs* University of California, Berkeley, 1962

is political science a stem major: **Colleges Worth Your Money** Andrew Belasco, Dave Bergman, Michael Trivette, 2024-06-01 *Colleges Worth Your Money: A Guide to What America's Top Schools Can Do for You* is an invaluable guide for students making the crucial decision of where to attend college when our thinking about higher education is radically changing. At a time when costs are soaring and competition for admission is higher than ever, the college-bound need to know how prospective schools will benefit them both as students and after graduation. *Colleges Worth Your Money* provides the most up-to-date, accurate, and comprehensive information for gauging the ROI of America's top schools, including: In-depth profiles of 200 of the top colleges and universities across the U.S.; Over 75 key statistics about each school that cover unique admissions-related data points such as gender-specific acceptance rates, early decision acceptance rates, and five-year admissions trends at each college. The solid facts on career outcomes, including the school's connections with recruiters, the rate of employment post-graduation, where students land internships, the companies most likely to hire students from a particular school, and much more. Data and commentary on each college's merit and need-based aid awards, average student debt, and starting salary outcomes. *Top Colleges for America's Top Majors* lists highlighting schools that have the best programs in 40+ disciplines. Lists of the "Top Feeder" undergraduate colleges into medical school, law school, tech, journalism, Wall Street, engineering, and more.

is political science a stem major: **Analytical Political Economy** Roberto Veneziani, Luca Zamparelli, 2018-06-11 Offering a unique picture of recent developments in a range of non-conventional theoretical approaches in economics, this book introduces readers to the study of Analytical Political Economy and the changes within the subject. Includes a wide range of topics and theoretical approaches that are critically and thoroughly reviewed Contributions within the book are written according to the highest standards of rigor and clarity that characterize academic work Provides comprehensive and well-organized surveys of cutting-edge empirical and theoretical work covering an exceptionally wide range of areas and fields Topics include macroeconomic theories of growth and distribution; agent-based and stock-flow consistent models; financialization and Marxian price and value theory Investigates exploitation theory; trade theory; the role of expectations and 'animal spirits' on macroeconomic performance as well as empirical research in Marxian economics

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