

134 / Physics & Pre-Engineering, Political Science

Phys 401 (F, Odd) 4 hrs. cr.
Electricity and Magnetism
 Electrostatic forces, electric fields, electric potential, properties of conductors and dielectrics, magnetic fields, magnetic properties, induced electromotive force, Maxwell's equations and electromagnetic waves. Four hours lecture per week. Prerequisites: Math 260 and Phys 280.

Phys 430 (Demand) 1-3 hrs. cr.
Internship in Physics
 In conference with departmental representatives at least six weeks in advance, the student shall elect to work and observe in any area of applied physics in which on-the-job experience would be beneficial to the student's training. Prerequisites: Junior standing in physics with a minimum of 17 hours of physics or by permission.

Phys 452 (Demand) 3 hrs. cr.
Quantum Mechanics
 Time independent Schroedinger equation, eigenfunctions, expectation values, differential operators, perturbation theory, multielectron atoms, and applications to solid state physics. Three hours lecture per week. Prerequisite: Phys 301 and Math 322.

Phys 480 (Demand) 3 hrs. cr.
Selected Topics in Physics and Engineering
 One or more of the following topics for further study: solid state physics, optics, nuclear physics, advanced mechanics, quantum mechanics, circuit analysis, thermodynamics, fluid mechanics heat transfer, and mechanics of materials. Open to students having a minimum of 18 hours of physics and permission of instructor.

Phys 490 (Demand) 1-3 hrs. cr.
Seminar
 Students will select two subjects from areas of physics and engineering in which they have an interest. The student will research the area and communicate the results with the physics faculty and the class. One area will require a written paper with a short (15 minute) presentation and the other will require a written paper and a one-hour presentation. Both presentations will have question and answer sessions. Secondary education majors will be required to present several lecture-demonstration programs illustrating the basic concepts of physics at the secondary level. Open to students having a minimum of 18 hours of physics and permission of the instructor.

Phys 497 (Demand) 1-3 hrs. cr.
Research in Physics
 Independent research technique, laboratory work, and literature search under the supervision of an instructor on a physics research project. Involves laboratory experimentation or theoretical calculation, written report, and an oral presentation from any area of physics. Open to students having: 1) minimum of 15 hours of physics, 2) junior or senior standing, 3) the ability to undertake independent work, and 4) permission of the instructor. Registration must be approved by the adviser and the department head.

Phys 498 (Demand) 1-3 hrs. cr.
Advanced Topics in Physics
 Designed to give advanced instruction in some area not covered in other courses. For upper division majors. Prerequisites to be determined by the department.

Phys 499 (F, S) 1-3 hrs. cr.
Independent Study
 Course structured by the adviser with approval of the department head. Prerequisite: Advanced standing with a GPA of 3.0 in the major field. Registration must be approved by the adviser, department head, and school dean.

POLITICAL SCIENCE

Webster Hall 245, 417.625.9564

Faculty Miller - Head, St. Clair, Simpson, Wyman, Yates

The Bachelor of Arts degree with a major in Political Science is appropriate for those students seeking to do graduate work in political science, enter professional schools of law or public administration, join the public service, or work in community service as well as general career options. A Bachelor of Science in Education degree with a major in Social Studies - Political Science emphasis - certifies a student to teach on the secondary school level. A minor in Political Science is available for students majoring in other disciplines. In addition, see page 138 for a Social Science minor or the Social Studies in Secondary Education minor.

Core Curriculum requirements and Missouri statute requirements are met by PSc 120.

PSc 120 is a prerequisite for all other political science courses.

Bachelor of Arts with a Major in Political Science

	Semester Hours
Core Requirements (p. 32) 51*	48
Computer Literacy Requirement -determined by	
Social Science Department.	3
Foreign Language (four courses in one language)	12
Political Science Requirements	12
PSc 120 Government: U.S., State, and Local	3
PSc 201 Introduction to Political Science	3
PSc 411 Political Theory	
OR	
PSc 412 Contemporary Political Thought.	3
PSc 498 Seminar in Political Science	
OR	
PSc 497 Capital Internship	3
Select one course from each of the following four areas:	12
U.S. Politics.	(3)
PSc 301 Political Parties & Elections	
PSc 302 Public Opinion & Pressure Groups	
PSc 311 American Presidency	
PSc 312 Legislative Process	
State and Local Government	(3)
PSc 320 State Government	
PSc 341 Municipal Government	
PSc 342 Public Policy	
PSc 421 Public Administration	
International Relations	(3)
PSc 321 International Relations	
PSc 330 Comparative Politics: Developed Countries	
PSc 332 Comparative Politics: Developing Countries	
Law	(3)
PSc 310 Law, Society, and the Judicial Process	
PSc 322 International Law	

PSc 431	Constitutional Law I	
PSc 432	Constitutional Law II	
Political Science Electives**		12
Electives		25
		124***

*Political Science 120 satisfies major requirements and 3 hours of Core Curriculum.
 **See Prerequisites
 ***Must include at least 40 upper division (300-400 level) hours.

**Bachelor of Science in Education
 with a Major in Social Studies
 Political Science Emphasis
 Grades 9-12 Certification
 Plan B Single Teaching Field**

	Semester Hours
Core Requirements (p. 32) 51*	33
Political Science Requirements	15
PSc 120 Government: U.S., State, and Local . . . 3	
PSc Upper Division Electives. 12	
Supporting Requirements.	36
Hist 110 U.S. History 1492-1877 3	
Hist 120 U.S. History 1877-Present 3	
Hist 130 Western Civilization to 1660. 3	
Hist 140 Western Civilization Since 1660 3	
Hist Upper Division U.S.** 6	
Hist Upper Division Asian, Latin or European** . 3	
Soc 110 Introduction to Sociology 3	
Soc Upper Division Elective** 3	
Geog 211 Regions and Nations 3	
Geog Upper Division Elective 3	
Econ 180 American Economic System. 3	
Electives	3-4
Education Certification Requirements (p. 189) . . .	40-41
	127-129

*Required political science, history, sociology, and economics courses satisfy major requirements and 18 hours of Core Curriculum.
 **See Prerequisites

Minor in Political Science

	Semester Hours
PSc 120 Government: U.S., State, and Local . . . 3	
PSc Electives* 18	
	21

*Must be chosen with approval of a political science adviser.

Minor in Public Administration

Required:

PSc 320	State Government	
OR		
PSc 341	Municipal Government	3
PSc 421	Public Administration	3
Acct 201	Principles of Accounting I	3

MM 350	Principles of Management	3	
MM 352	Human Resource Management	3	
			15

Choose three:

Comm 300	Organizational Communications	3	
Math 302	Applied Calculus	3	
PSc 320	State Government **	3	
PSc 341	Municipal Government**	3	
PSc 342	Public Policy	3	
Acct 325	Managerial Accounting.	3	
Econ 350	Financial Management.	3	
Soc 402	Community (WI)	3	
Geog 457	Urban Geography	3	
PSc 496	Internship in Political Science.	3	
			9

Total for Minor (PA) 24

**(if not taken in PA minor core)

Additional requirements:

For students in majors without a statistics/research requirement, the following course must be completed. Hours earned in this course are not applicable to the minor in public administration: PSc 305 Social Science Statistics.

Suggested Order of Study

**Bachelor of Arts
 Major Code 2207
 Political Science Major**

Freshman Year

1st Semester		Hours
Course		
Foreign Language		3
CORE	[Eng 101 Comp I]	3
CORE	[Hist 110 U.S. 1492-1877]	3
CORE	[Math 125 Contemporary Math]	3
CORE	[Comm 100 Oral Communication]	3
Psy 120	College Orientation	1
		16

2nd Semester

Foreign Language		3
CORE	[Eng 102 Comp II]	3
CORE	[Hist 120 U.S. 1877-Present]	3
CORE	[Bio 101 General Biology]	4
CORE	[Humanities and Fine Arts]	3
		16

Sophomore Year

1st Semester		Hours
PSc 120	Gov't: U.S./State/Local*	3
CORE	[English Lit]	3
Foreign Language		3
CORE	[Phys 100 Fund of Phys Sci]	5
CORE	[Kine 103 Lifetime Wellness]	2
CORE	[Kine 101 Physical Activity]	1
		17

2nd Semester

CORE	[Econ 201 Econ-Macro]	3
PSc	[Upper Division Elective approved by adviser]	3

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Foreign Language		3
CORE	[Soc 110 Introduction to Sociology]	3
Electives		2
		14

Junior Year

1st Semester		
PSc	[Upper Division]	6
CORE	[International Cultural Stu]	3
[Computer Literacy course selected with adviser's approval]		3
CORE	[Humanities and Fine Arts]	3
		15

2nd Semester		
PSc	[Upper Division]	9
Electives		7
		16

Senior Year

1st Semester		
PSc	[Upper Division Electives]	9
Electives	[Upper Division]	6
		15

2nd Semester		
PSc	[Upper Division Elective]	6
Electives	[Upper Division]	10
		16

*Also meets a Core Curriculum requirement.
[Department Recommendations]

For additional information contact:

Dr. Michael Yates
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PSc 302 (F, Odd) 3 hrs. cr.
Public Opinion and Pressure Groups (*Writing Intensive*)
Origins, impact, and measurement of public opinion. Scope, nature, and powers of interest groups in American society with special attention to their role in formulating public opinion and public policy.

PSc 305 (F, S) 3 hrs. cr.
Social Science Statistics
Provides basic tools necessary to gather, describe, analyze, and present quantitative social science data. Focus will be on conducting basic univariate and bivariate analyses. Prerequisite: Math 125.

PSc 306 (S, Even) 3 hrs. cr.
Introduction to Political Science Research Methods
An introduction to the ways in which political scientists conduct research. An emphasis will be placed on quantitative analysis and the decisions faced by political scientists when both designing and consuming social inquiry. Prerequisites: PSC 305.

PSc 310 (Demand) 3 hrs. cr.
Law, Society, and the Judicial Process (*Writing Intensive*)
American legal system viewed from a social and political as well as legal perspective. Focus on the structure and organization of courts, the processing of civil and criminal cases, and the behavior of judges, lawyers, and other participants in the judicial process.

PSc 311 (Summer) 3 hrs. cr.
American Presidency
Politics of presidential selection, the powers of the President, the organization of the executive branch and its relations with other organs of government.

PSc 312 (S, Even) 3 hrs. cr.
Legislative Process
Problems of representation, organization of the legislature, participation, and proposals for improved organization. Emphasis on the Missouri General Assembly.

PSc 320 (S, Odd) 3 hrs. cr.
State Government
General structure, theories, operation, and problems of state government with special emphasis on the government of Missouri.

PSc 321 (F, Even) 3 hrs. cr.
International Relations
Present-day relations and problems among the states of the world and the major factors which underline and influence these relations.

PSc 322 (S, Odd) 3 hrs. cr.
International Law
Rules and principles accepted by the members of the community of nations as defining their rights and duties and the procedures employed in protecting their rights and performing their duties.

PSc 330 (F, Odd) 3 hrs. cr.
Comparative Politics: Developed Countries
Comparative analysis of government and politics in both the major developed democracies and in developing states. The course examines themes of democratization, institutional design, parties and party systems, as well as the impact of social and economic change on the conduct and evolution of modern political systems. Prerequisite: PSc 120.

Psc 332 (S, Even) 3 hrs. cr.
Comparative Politics: Developing Countries
This course is designed to develop a broadly based understanding of governments and cultures of developing countries and their relative positions in the global system. Themes to be examined in both theory and practice include colonialism, democratization, persistent economic underdevelopment, political processes, and cultural factors. Prerequisite: PSC 120.

Course Descriptions

PSc 120 (F, S) 3 hrs. cr.
Government: U.S., State, & Local
Designed to give students an understanding of their governments, enabling them to keep up with political developments with the goal of becoming informed citizens needed to sustain democracy. A Core Curriculum requirement for all bachelor's degrees and prerequisite for all political science courses. Successful completion of this course fulfills the Missouri state requirements in constitutional study.

PSc 201(F) 3 hrs. cr.
Introduction to Political Science
Introduction to the discipline of political science. The course is a preview of the major subunits of the discipline: American politics including public administration and legal studies; international relations; political theory; and comparative politics.

PSc 298 (Demand) 3 hrs. cr.
Topics in Political Science
Special political science topics of current interest to the student or faculty member who offers the class. Subjects and instructors change each semester. Students are encouraged to suggest possible course topics to the political science faculty.

PSc 301 (F, Even) 3 hrs. cr.
Political Parties and Elections (*Writing Intensive*)
Analysis of the origins, structure and functions of political parties; the dynamics of the two-party system; the role of third parties and the election process.

PSc 341 (S, Even) 3 hrs. cr.
Municipal Government
Structure, legal status, functions, and organization of city, town, and village government in the United States.

PSc 342 (F, Even) 3 hrs. cr.
Public Policy
An introductory survey of the formulation, execution, and evaluation of public policy in the United States.

PSc 398 (F) 1 hr. cr.
Political Discourse
A topics and event driven, open forum for examination of current issues at the national, state, and local levels of government. The course is conducted as a discussion group with the instructor providing directed reading assignments and presentations on discursive practices, traditions, and models within the discipline as appropriate. May be repeated one time for credit.

PSc 411 (F, Odd) 3 hrs. cr.
Political Theory
Western political philosophies from early recorded history through the present time.

PSc 412 (S, Even) 3 hrs. cr.
Contemporary Political Thought
Twentieth century political ideas.

PSc 421 (F, Odd) 3 hrs. cr.
Public Administration
Administrative aspects of government; surveys the major subfields of public administration, i.e., politics and administration, organizational theory, organizational behavior, management, decision making, personnel, public budgeting and finance, policy analysis and program evaluation, and administrative law.

PSc 431 (F, Even) 3 hrs. cr.
Constitutional Law I
Political and legal aspects of Supreme Court decision making, the nature and scope of judicial review, the constitutional relationships between levels and branches of government, and the First Amendment rights of freedom of expression.

PSc 432 (S, Odd) 3 hrs. cr.
Constitutional Law II
Legal issues concerning the Bill of Rights and the First Amendment areas of free exercise and establishment of religion, the right to privacy, the 14th amendment due process, and equal protection clauses.

PSc 494 (S, Odd) 3 hrs. cr.
Seminar in Political Science
Specialized knowledge and/or current research in the discipline. Topics will vary by situation and instructor. Students will prepare and critique papers based on original research. Prerequisite: 9 hours of upper division political science.

PSc 495 (F) 3 hrs. cr.
Directed Research *(Writing Intensive)*
Students design and conduct research projects resulting in a written report and an oral presentation. Prerequisites: PSc 305, PSc 306, and senior standing.

PSc 496 (Demand) 3-8 hrs. cr.
Internship in Political Science
Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. No more than 3 hours may be counted toward a major or minor.

PSc 497 (Demand) 8 hrs. cr.
Capital Internship
Observation of and participation in governmental work under the direct supervision of a faculty member and a professional who is employed in the governmental position being observed. The student

will live and work in the capital from the opening of the legislative session until its conclusion or the last day of MSSU's spring semester.

PSc 498 (Demand) 3 hrs. cr.
Advanced Topics in Political Science
For upper division political science majors. Topics covered and methods used will place emphasis on student-instructor interest, desire to pursue indepth research, and ability to assimilate topics. It will include areas not already treated in other political science courses. Prerequisites: 15 hours of political science or consent of instructor.

PSc 499 (F, S) 1-2-3-4 hrs. cr.
Independent Study
For students who wish to do an indepth study of some specialized topic or who wish to pursue a topic not considered in the department's course offerings. The student will select an adviser from the political science faculty who will structure the independent study in consultation with the student and with the approval of the department head. Prerequisite: Junior or senior status and an overall cumulative GPA of 3.0 or better. Enrollment must be approved by department head and school dean.

PREPROFESSIONAL

Justice Center 126, 417.625.3155

Associate of Arts Degree

This curriculum allows Missouri Southern students to complete admission requirements for professional schools that accept applicants who have completed approximately 60 hours. Students should incorporate professional school requirements into their schedule and work closely with an adviser at Missouri Southern. Also, students who are completing certification requirements for paramedic programs and desire a college degree may choose the Associate of Arts degree. The Associate of Arts degree facilitates transfer among Missouri public four-year colleges and universities.

For additional information contact:

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