School of Economic, Political and Policy Sciences

Graduate Programs in Public Policy and Political Economy

Doctor of Philosophy in Public Policy and Political Economy

75 semester credit hours minimum beyond the baccalaureate degree

Faculty

Professors: Denise Paquette Boots, Patrick T. Brandt, Euel W. Elliott, Jennifer S. Holmes, Dohyeong Kim, Clint W. Peinhardt, Richard K. Scotch

Associate Professors: Jonas Bunte, Vito D’Orazio, Simon M. Fass

Professors Emeriti: Brian J. L. Berry, Lloyd J. Dumas, Donald A. Hicks, Murray J. Leaf

Associate Professor of Instruction: Karl K. Ho

Associate Professor of Practice: Teodoro Benavides

Mission

The mission of the PhD program in Public Policy and Political Economy (PPPE) is to prepare our students for professional positions in research, teaching, and practice in fields related to public policy and political economy, in both academic and nonacademic settings. We prepare students through instruction in social science and public policy concepts, advanced methodological knowledge, applied social research techniques, and professional communication skills. PPPE students and faculty are encouraged to promote an inclusive and diverse environment that is committed to continued scholarship and service.

Objectives

- Students will demonstrate the ability to apply social science and public policy theories and concepts.
- Students will develop competency in advanced methods of social science and public policy research and analysis.
- Students will develop basic skills in professional communication appropriate to the public policy and political economy research and analysis.
Facilities

Students have access to the computing faculties in the School of Economic, Political and Policy Sciences and the University's computer labs. The school has four computing laboratories which house 24-30 computers each that are network linked and equipped with major social science software packages, including EViews, R, RATS, SPSS and Stata. A geographic information system, the LexisNexis database, and Westlaw are also available for student use. The University's computer labs provide personal computers and UNIX workstations. Many important data and reference materials are also available online via the library and the school's memberships in numerous organizations.

Admission Requirements

The University's general admission requirements are discussed on the [Graduate Admission](#) page.

The PhD in Public Policy and Political Economy seeks applications from students with a baccalaureate degree from an institution of higher education. An undergraduate grade point average of at least 3.2, a score of 160 Verbal and a score of 148 Quantitative on the GRE, or equivalent score on the GMAT, are desirable. Standardized test scores are only one of the factors taken into account in determining admission. Students should also submit all transcripts, three letters of recommendation, and a one-page essay outlining the applicant's background, education, and professional objectives.

Prerequisites

While there are no specific course prerequisites, entering students will benefit from exposure to undergraduate courses in economics, political science, sociology, calculus, statistics, and research design.

Degree Requirements

The University's general degree requirements are discussed on the [Graduate Policies and Procedures](#) page. The PhD in Public Policy and Political Economy requires a minimum of 75 post-baccalaureate graduate semester credit hours. Full-time students can complete the degree in an average of 5 years.

Students must maintain a 3.0 cumulative GPA in their graduate courses in the degree program, and earn a grade of at least 3.0 (B) for all core courses. If placed on probation, students will have one semester to bring their cumulative grade point average to a 3.0 or greater. Any student who receives two Cs will not be allowed to continue in the program.

Students must complete the following:

- 33 semester credit hours of core courses
- 12 semester credit hours of field courses (six semester credit hours in two fields of the student's choice):
  - Development
  - International Conflict and Security
  - International Political Economy
  - Social and Health Policy
• Business, Technology and Innovation
• 6 semester credit hours area of specialization (in one of the fields of the student's choice)
• A Methods Qualifying Examination in Quantitative Methods and Research Design
• Matriculation to the dissertation phase
• Successful completion of a dissertation
• Successful completion of 75 semester credit hours minimum including electives

The requirements are outlined in further detail below.

I. Major Core Requirements (33 semester credit hours)

Students complete a core sequence of courses as follows:

1. Six semester credit hours of coursework in Government and Public Policy:
   - PPPE 6347 Proseminar in Political Institutions and American Politics
   - PPPE 6329 Ethics, Culture, and Public Policy

2. Six semester credit hours of Theories of Political Economy
   - PPPE 6301 Political-Economic Theories
   - PPPE 6321 Economics for Public Policy

3. Eighteen semester credit hours of Analytical Methods
   Methods Core (Algebra-based or Calculus-based)

   Algebra-based series
   - EPPS 6313 Introduction to Quantitative Methods
   - EPPS 6316 Applied Regression

   Or

   Calculus-based series
   - EPPS 7313 Descriptive and Inferential Statistics
   - EPPS 7316 Regression and Multivariate Analysis

Students are strongly encouraged to take the calculus-based sequence, which is better preparation for the methods qualifying exam and more advanced methods courses.

Students will also take at least four additional methods from a set of courses approved by the program head or director of graduate studies. Students may obtain a list of those courses from the program office.
4. Three semester credit hours of Research Design

**PPPE 6342** Research Design II

Students may request that alternative courses be substituted in the core with the approval of the Program Head or Director of Graduate Studies.

II. Field Courses (12 semester credit hours)

Students take six semester credit hours in two of the following five fields. The fields and required courses are as follows:

**Development**

Choose two courses from the following:

- **PPPE 6354** Theories and Issues of Development
- **PPPE 6335** Institutions and Development
- **PPPE 6343** Global Health Policy
- **PPPE 6362** Political Development
- **PPPE 6363** Conflict and Development
- **PPPE 6367** Environmental Economics and Policy
- **PPPE 6370** Political Economy of Natural Resources
- **PPPE 6371** Urban Development
- **PPPE 6372** Faith, Ideology, and Development
- **PPPE 6392** Practice of International Development
- **PPPE 6359** Political Economy of Economic Development
- **PPPE 6358** Political Economy of South and Southeast Asia

Other courses as approved by the Program Head or Director of Graduate Studies

**International Conflict and Security**

Choose two courses from the following:

- **PPPE 6361** Civil Conflict
- **PPPE 6369** National and International Security Strategies and Policies
- **PPPE 6363** Conflict and Development
- **PSCI 6321** Proseminar in Comparative Politics
- **PSCI 6319** Proseminar in International Relations
PSCI 6306 Human Rights and International Law
PSCI 7318 Conflict Management
PSCI 7330 International Conflict
PSCI 7335 Theories of International Relations
PPPE 7313 Counterterrorism and Counterinsurgency

Other courses as approved by the Program Head or Director of Graduate Studies

International Political Economy

Choose two courses from the following:

PSCI 6309 International Political Economy
PPPE 6319 Political Economy of MNCs
PPPE 6368 Political Economy of Finance
PPPE 6370 Political Economy of Natural Resources
PSCI 6316 International Organizations

Other courses as approved by the Program Head or Director of Graduate Studies

Social and Health Policy

Choose two courses from the following:

PPPE 6313 Human Organizations and Social Theory
PPPE 6334 Workshop in Environmental and Health GIS/Policy
PPPE 6340 Domestic Social Policy
PPPE 6341 Health Policy
PPPE 6343 Global Health Policy
PPPE 6350 Social Stratification
PPPE 6356 Health and Illness

Other courses as approved by the Program Head or Director of Graduate Studies

Business, Technology, and Innovation

Choose two courses from the following:

PPPE 6359 Political Economy of Economic Development
PPPE 6365 The Innovation Economy
PPPE 6353 Industry, Technology, and Science Policy
Students may request that alternative courses be substituted in a particular field with the approval of the Program Head or Director of Graduate Studies. Moreover, students may, in consultation with the Program Head or Director of Graduate Studies, define a new field provided that appropriate coursework is available and that a coherent research literature is identified.

III. Area of Specialization (6 semester credit hours)

The student takes at least six semester credit hours of additional coursework related to their dissertation topic. Classes will be approved by the Program Head or the Director of Graduate Studies.

IV. Methods Qualifying Exam and Matriculation to the Dissertation Phase

To advance to the dissertation stage of the program, students are evaluated based on a Methods Qualifying Examination (MQE).

The MQE will cover course material from (EPPS 6313 Introduction to Quantitative Methods and EPPS 6316 Applied Regression) and/or (EPPS 7313 Descriptive and Inferential Statistics and EPPS 7316 Regression and Multivariate Analysis), and PPPE 6342 Research Design II. It is required that full-time (and 6 semester credit hours-a-semester part-time) students take EPPS 6313 or EPPS 7313 the fall semester of the first year and EPPS 6316 or EPPS 7316 and PPPE 6342 in spring. The MQE is administered once a year in late April or May. Student performance will be evaluated as unsatisfactory, satisfactory, or excellent. Those failing the exam will be given a second opportunity to pass at the end of the summer. Those failing the MQE for the second time will not be allowed to continue in the program. Part-time students should seek to complete the required methods sequence by spring of their second year; courses noted above should be taken in the same basic sequence.

V. Dissertation Seminar

After passing the MQE, students should begin to explore dissertation topics. In addition to regularly offered courses, students can register for up to six hours of independent studies (PPPE 8V01) to explore dissertation topics with the approval of an individual faculty member to supervise the study. Once a student has identified a likely topic and/or likely dissertation supervisor, the Dissertation Seminar (PPPE 8V98) allows a more formal direction of the dissertation proposal itself. Generally students should defend the proposal in the first semester they register for Dissertation Seminar, and all students should defend a dissertation proposal by the end of the third year (preferably second). Students seeking advising concerning a suitable dissertation topic or appropriate supervisor are encouraged to consult with the Program Head and/or Director of Graduate Studies.

VI. Electives
Students take free electives in areas of interest to fulfill the 75-semester credit hour PhD requirement. No more than 6 semester credit hours of independent study (PPPE 8V01) may be taken, unless approved by the Director of Graduate Studies or Program Head. Students may enroll in dissertation hours (PPPE 8V99 Dissertation) in addition to additional coursework after a successful proposal defense.

PhD students should note that they are eligible to receive master's degrees offered by the School of Economic, Political and Policy Sciences (EPPS) while they matriculate toward the doctorate. These degrees include the Master of Public Policy and the MS in International Political Economy. Other EPPS master's degrees can be earned as well. Students interested in obtaining one of these degrees should consult the catalog requirements or the graduate advisor.

VII. Dissertation

The student completes a dissertation and must successfully defend the dissertation before a duly constituted dissertation committee, in accordance with the requirements of the University and the UT System.

Master of Science in Cyber Security, Technology and Policy

36 semester credit hours minimum

Faculty

Mission

The Master of Science in Cyber Security, Technology and Policy is a degree program intended for individuals who will systematically analyze cyber security and technologies issues, implementation, and analysis, within an interdisciplinary and strategic approach, and according to the mission of the organization. Students will gain both policy and cyber security expertise needed to study and solve complex problems using innovative methods for existing technology on a societal level. This graduate program will fill a workforce demand focusing on policy making and policy analysis in relation to the cyber security field that is needed both in Texas and nationally. Graduates will be prepared for managerial and analysis positions in a wide array of professional settings in the public and private sectors.

Objectives

- Students will analyze the risks of vectors of cyber attacks, identify security gaps, and the pros and cons of different policy and security options.
- Students will identify sector specific standards and policies regarding privacy, ethics and legal requirements.
- Students will analyze the options that ensure survivability, resilience, and restoration of services and functions and demonstrate resourcefulness in investigating unfamiliar issues.
Students will communicate complex security and policy information, concepts, or ideas in a confident and well-organized manner through verbal, written, and/or visual means.

Facilities
Students have access to the computing faculties in the School of Economic, Political and Policy Sciences and the University's computer labs. The school has four computing laboratories which house 24-30 computers each that are network linked and equipped with major social science software packages, including EViews, R, RATS, SPSS and Stata. A geographic information system, the LexisNexis database, and Westlaw are also available for student use. The University's computer labs provide personal computers and UNIX workstations. Many important data and reference materials are also available online via the library and the school's memberships in numerous organizations.

On the Computer Science side, The University of Texas at Dallas (UT Dallas) has established a strong education program in Cyber Security since 2004 with the establishment of the Cyber Security Research and Education Institute in October 2004. UT Dallas was designated an NSA/DHS National Center of Academic Excellence in Cyber Security Education in June 2004, as an NSA/DHS National Center of Academic Excellence Information Assurance Research in 2008, and received NSA's highly prestigious National Center of Academic Excellence in Cyber Operations in 2015.

Admissions Requirement
The University's general admission requirements are discussed on the Graduate Admission page.

Although applications will be reviewed holistically, in general, entering students have earned a 3.0 undergraduate grade point average (GPA) (on a 4.0 point scale). GRE test scores are required with a verbal score of 156 and a quantitative score of 146. An application essay, letter of recommendation, and official transcripts are also required.

Prerequisites
While there are no specific course prerequisites, entering students will benefit from exposure to undergraduate courses in statistics.

Grading Policy
In order to qualify for graduation, students must maintain a minimum 3.0 grade point average.

Degree Requirements
The University's general degree requirements are discussed on the Graduate Policies and Procedures page.

Students seeking a Master of Science in Cyber Security, Technology and Policy must complete at least 36 semester credit hours of work in the program.

Required Classes:
CS 6303 Cyber Security Essentials for Practitioners
CS 6305 Data Security and Privacy for Practitioners
CS 6306 Cyber Security Analytics & Malware Analysis for Practitioners
CS 6308 Cyber Physical Systems and Critical Infrastructure Security for Practitioners
MIS 6330 Cybersecurity Fundamentals
MIS 6333 Digital Forensics and Incident Management
PPPE 6302 Political Violence and Conflict in Cyberspace
or PSCI 6302 Political Violence and Conflict in Cyberspace
PPPE 6303 Cyber Security Policy
or PSCI 6303 Cyber Security Policy
PPPE 6308 Governance and Auditing Essentials for Cyber Security
or PSCI 6308 Governance and Auditing Essentials for Cyber Security
PPPE 6315 Legal Aspects of Cyber Security and Cyber Security Ethics
or PSCI 6315 Legal Aspects of Cyber Security and Cyber Security Ethics
PPPE 6328 Capstone in Cyber Security and Policy
or PSCI 6328 Capstone in Cyber Security and Policy
PSYC 6352 Cognitive Psychology Essentials for Cyber Security

Other classes may be substituted with the approval of the program head.

NOTE: The following four classes (CS 6303 Cyber Security Essentials for Practitioners, CS 6305 Data Security and Privacy for Practitioners, CS 6306 Cyber Security Analytics & Malware Analysis for Practitioners, and CS 6308 Cyber Physical Systems and Critical Infrastructure Security for Practitioners) may be replaced by the following courses (CS 6324 Information Security, CS 6349 Network Security, CS 6348 Data and Applications Security, and another from a list of existing cybersecurity systems in Computer Science courses) if the student has met the individual course pre-requisites and if they are approved by the computer science program head.

Master of Science in International Political Economy
36 semester credit hours minimum

Faculty

Professors: Brian J. L. Berry, Patrick T. Brandt, Paul Diehl, Euel W. Elliott, Jennifer S. Holmes, Dohyeong Kim, Clint W. Peinhardt, Richard K. Scotch
Associate Professors: Jonas Bunte, Vito D'Orazio, Simon M. Fass
Professors Emeriti: Lloyd J. Dumas, Donald A. Hicks, Murray J. Leaf
Mission
The mission of the Master of Science in International Political Economy is to offer an experience in interdisciplinary education and policy research through activities in graduate education, scholarly and applied inquiry, and professional service. Today, more careers increasingly require international knowledge and skills that transcend the confines of traditional disciplinary training. We prepare students for careers in research, teaching, and practice in a variety of both academic and non-academic public policy and political economy settings. The Master of Science in International Political Economy will develop students’ critical skill sets to meet the needs and demands of the international diplomatic and business sectors. These skills include critical thinking, knowledge of multiple cultures and cultural contexts, rigorous research skills, and the ability to communicate effectively in an array of environments. Students will be prepared to advance careers in policy and data analysis, and administrative positions in government, the nonprofit and private sectors.

Objectives
• Students will demonstrate the ability to apply social science and international political economy theories and concepts.
• Students will develop competency in advanced methods of social science and international political economy research and analysis.
• Students will develop basic skills in professional communication appropriate to international political economy research and analysis.
• Students will develop competency in analysis, evaluation, and research design relevant to social science and international political economy research and analysis.

Facilities
Students have access to the computing facilities in the School of Economic, Political and Policy Sciences and the University's computer labs. The school has four computing laboratories which house between 24-30 computers that are network linked and equipped with major social science software packages, including EViews, R, RATS, SPSS, and Stata. A computerized geographic information system, the LexisNexis database, and Westlaw are also available for student use. The University's computer labs provide personal computers and UNIX workstations. Many important data and reference materials are also available online via the library and school's memberships in numerous organizations.

Admissions Requirement
The University's general admission requirements are discussed on the Graduate Admission page.

The master's program in International Political Economy seeks applications from students with a baccalaureate degree from an institution of higher education. Although applications will be reviewed holistically, in general, entering students have earned a 3.0 undergraduate grade point average (GPA) (on a 4.0 point scale), and a verbal score of 156 and a quantitative score of 146 on the Graduate Records Examination (GRE). Standardized test scores are only one of the factors taken into account in
Students should also submit all transcripts, three letters of recommendation, and a one-page essay outlining the applicant's background, education, and professional objectives.

**Prerequisites**

While there are no specific course prerequisites, entering students will benefit from exposure to undergraduate courses in economics, political sciences, sociology, college algebra, statistics, public policy, and research design. Students are strongly encouraged to strengthen their foreign language skills.

**Degree Requirements**

The University's general degree requirements are discussed on the [Graduate Policies and Procedures](https://catalog.utdallas.edu/2022/graduate/programs/epps/public-policy-and-political-economy) page.

Students seeking a Master of Science in International Political Economy must complete at least 36 semester credit hours of work in the program. The program has four components:

1. Eighteen semester credit hours of required coursework
2. Twelve semester credit hours of prescribed electives
3. Six semester credit hours of free electives
4. Students must demonstrate a foreign language proficiency equivalent to two years of university-level study in one foreign language before graduation.

Students must maintain a 3.0 cumulative GPA in their graduate courses in the degree program, including core courses. If placed on probation, students will have one semester to bring their cumulative grade point average to a 3.0 or greater. Any student who receives two Cs will no longer be allowed to continue in the program.

**I. Major Required Courses: 18 semester credit hours**

All students should complete the core courses as soon as possible.

**Economic Theory Core**

Choose one course from the following:

- **PPPE 6301** Political-Economic Theories
- **PPPE 6321** Economics for Public Policy
- **PPPE 6365** The Innovation Economy

**Methods Core (Algebra-based or Calculus-based)**

**Algebra-based series**

- **EPPS 6313** Introduction to Quantitative Methods
- **EPPS 6316** Applied Regression
Calculus-based series

**EPPS 7313** Descriptive and Inferential Statistics

**EPPS 7316** Regression and Multivariate Analysis

Choose one course from the following:

**PPPE 6352** World Political Economy

**PSCI 6309** International Political Economy

Choose one course from the following:

**PPPE 6319** Political Economy of MNCs

**PPPE 6335** Institutions and Development

**PPPE 6362** Political Development

**PPPE 6368** Political Economy of Finance

**PSCI 6309** International Political Economy

**PSCI 6316** International Organizations

**PPPE 6370** Political Economy of Natural Resources

Choose one course from the following:

**PPPE 7V76** Policy Research Workshop in Development Studies

**PPPE 6310** Research Design I

**EPPS 6352** Evaluation Research Methods in the Economic, Political and Policy Sciences

**EPPS 7304** Cost-Benefit Analysis

Students may request that alternative courses be substituted in the core with the approval of the Program Head or Director of Graduate Studies.

II. Prescribed Electives: 12 semester credit hours

Students complete 12 semester credit hours of Prescribed Electives. These consist of:

An area field in which the student completes two courses (six semester credit hours) in history, advanced language, or area studies courses that address a single region, including Europe, Latin America, or the Middle East/Greater Asia.

A theme field in which the student completes two courses (six semester credit hours) in development, international business and public policy, or international conflict and security.

**Development**

**PPPE 6354** Theories and Issues of Development
PPPE 6334 or GISC 6334 Workshop in Environmental and Health GIS/Policy
PPPE 6335 Institutions and Development
PPPE 6343 Global Health Policy
PPPE 6352 World Political Economy
PPPE 6359 Political Economy of Economic Development
PPPE 6362 Political Development
PPPE 6363 Conflict and Development
PPPE 6367 Environmental Economics and Policy
PPPE 6370 Political Economy of Natural Resources
PPPE 6371 Urban Development
PPPE 6372 Faith, Ideology, and Development
PPPE 6392 Practice of International Development

Other courses as approved by the Program Head or Director of Graduate Studies

International Conflict and Security

PPPE 6361 Civil Conflict
PPPE 6369 National and International Security Strategies and Policies
PPPE 6363 Conflict and Development
PSCI 6300 Proseminar in Comparative Politics and International Relations
PSCI 6306 Human Rights and International Law
PSCI 7318 Conflict Management
PSCI 7330 International Conflict
PSCI 7335 Theories of International Relations
PPPE 7313 Counterterrorism and Counterinsurgency

Other courses as approved by the Program Head or Director of Graduate Studies

International Political Economy

PSCI 6309 International Political Economy
PPPE 6319 Political Economy of MNCs
PPPE 6352 World Political Economy
PPPE 6368 Political Economy of Finance
PPPE 6370 Political Economy of Natural Resources
PSCI 6316 International Organizations

Other courses as approved by the Program Head or Director of Graduate Studies

International Business and Public Policy

PPPE 6319 Political Economy of MNCs

PPPE 6359 Political Economy of Economic Development

PPPE 6365 The Innovation Economy

PPPE 6353 Industry, Technology, and Science Policy

PPPE 6368 Political Economy of Finance

PPPE 6373 Issues in Science, Technology and Society

IMS 6204 Global Business (2 semester credit hours)

IMS 6212 Global Communication and Negotiations (2 semester credit hours)

IMS 6365 Cross-Culture Communication and Management

Other courses as approved by the Program Head or Director of Graduate Studies

Other policy related field areas proposed by the student and approved by the Program Head are possible.

Courses in both the area fields and theme fields must have the approval of the Program Head or Director of Graduate Studies. Internships and independent studies may count toward either area or theme fields, with the permission of the Program Head or Director of Graduate Studies.

III. Elective Courses: 6 semester credit hours

Students also select an additional six semester credit hours of coursework. Students may select courses from those courses not selected under Major Required Courses.

Master of Public Policy

36 semester credit hours minimum

Faculty

Professors: Denise Paquette Boots, Patrick T. Brandt, Euel W. Elliott, Jennifer S. Holmes, Dohyeong Kim, Clint W. Peinhardt, Richard K. Scotch

Associate Professors: Jonas Bunte, Vito D'Orazio, Simon M. Fass, Banks P. Miller

Professors Emeriti: Brian J. L. Berry, Lloyd J. Dumas, Donald A. Hicks, Murray J. Leaf

Associate Professor of Instruction: Karl K. Ho
Mission

The Mission of the Master of Public Policy is to offer students an interdisciplinary graduate education designed to develop skills for careers in which a solid understanding of the public policy process and the analysis and evaluation of public policies are essential. Students will be prepared for analytical and administrative positions and responsibilities in a wide array of professional settings in the public, nonprofit, and private sectors as well as advanced study for careers in research. Specific skills include knowledge of the policy process and related ethical concerns, rigorous research skills that provide students with an essential grounding in statistical and data analysis and research design, and effective communication skills.

Objectives

• Students will understand and analyze the principal policy making institutions and the ways in which they formulate debate and implement public policies at the national, sub-national, and local levels. Students will examine legislative, executive, and non-governmental roles in policy formation at different levels of government. They will analyze the ways in which the various institutions interact and set policy priorities. They will study policy implementation and the interrelated functions of levels of governments, nonprofit and corporate entities in policy implementation.

• Students will learn and apply quantitative skills and economic theories to measure and evaluate public policies. They will learn when to apply appropriate techniques to complex policies. They will demonstrate an understanding of techniques to examine the preferred outcomes of policy alternatives to advise senior officials. Students will acquire skills in applying statistical measures of projected policy outcomes. Students will learn economic theories and acquire skills in applying those theories appropriately to establish policy objectives and outcomes.

• Students will understand the role of and learn appropriate, rigorous ways to design research to increase knowledge of public policy and citizen welfare. Students will learn ways to quantitatively and qualitatively design research projects that address important public policy questions and concerns.

• Students will learn and understand the unique role of ethical theories and behavior as it applies to the public and nonprofit sectors. Students will understand the ethical obligation of elected and appointed governmental officials to the body politic. Students will understand the functions of internal and public oversight of the formation and implementation of public policies.

• Students will develop expertise in a substantive area of public policy and learn how to effectively communicate new findings and innovative policies to senior decision makers and the general public. Students will study one of three major public policy disciplines - social policy, health policy or the business-government relationship. Students will understand the theories and scientific principles that support these substantive policy areas and the ways in which those theories are tested. Students will understand how these policy areas contribute to the well-being of citizens to enhance the quality of life.

• Qualified students are encouraged to consider the PhD in Public Policy and Political Economy (PPPE). Such students should meet with Program Head or Director of Graduate Studies of PPPE as soon as possible to discuss options.

Facilities

Students have access to the computing facilities in the School of Economic, Political and Policy Sciences
and the University's computer labs. The school has four computing laboratories which house between 24-30 computers that are network linked and equipped with major social science software packages, including EViews, R, RATS, SPSS, and Stata. A computerized geographic information system, the LexisNexis database, and Westlaw are also available for student use. The University's computer labs provide personal computers and UNIX workstations. Many important data and reference materials are also available online via the library and the school's memberships in numerous organizations.

Admissions Requirement

The University's general admission requirements are discussed on the Graduate Admission page. The master's program in Public Policy seeks applications from students with a baccalaureate degree from an institution of higher education. Although applications will be reviewed holistically, in general, entering students have earned a 3.0 undergraduate grade point average (GPA) (on a 4.0 point scale), and a verbal score of 156 and a quantitative score of 146 on the Graduate Records Examination (GRE). Standardized test scores are only one of the factors taken into account in determining admission. Students should also submit all transcripts, three letters of recommendation, and a one-page essay outlining the applicant's background, education, and professional objectives.

Prerequisites

While there are no specific course prerequisites, entering students will benefit from exposure to undergraduate courses in the economics, political sciences, sociology, college algebra, statistics, public policy, and research design.

Grading Policy

In order to qualify for graduation, students must maintain a minimum 3.0 grade point average in their degree program's core courses plus an aggregate grade point average of 3.0 for all graduate courses taken in the student's degree program at UT Dallas.

Degree Requirements

The University's general degree requirements are discussed on the Graduate Policies and Procedures page.

Students seeking a Masters in Public Policy must complete at least 36 semester credit hours of graduate coursework in the program. The program has three components:

Students must maintain at least a 3.0 (B) grade point average to graduate.

I. Major Required Core Courses: 21 semester credit hours

Policymaking and Institutions (6 semester credit hours)

PPPE 6347 Proseminar in Political Institutions and American Politics

PPPE 6329 Ethics, Culture, and Public Policy
Methodology (Statistics, Research Design, and related courses - 9 semester credit hours)

Methods Core (Algebra-based or Calculus-based)

*Algebra-based series*

- **EPPS 6313** Introduction to Quantitative Methods
- **EPPS 6316** Applied Regression

or

*Calculus-based series*

- **EPPS 7313** Descriptive and Inferential Statistics
- **EPPS 7316** Regression and Multivariate Analysis

Choose one course from the following:

- **PPPE 6310** Research Design I
- **EPPS 6352** Evaluation Research Methods in the Economic, Political and Policy Sciences
- **EPPS 7304** Cost-Benefit Analysis

**Economics (3 semester credit hours)**

Choose one course from the following:

- **PPPE 6321** Economics for Public Policy
- **PPPE 6365** The Innovation Economy

**Research Workshop or Internship (3 semester credit hours)**

A PPPE Policy Research Workshop or internship or substitution as approved by the program head.

Students may request that alternative courses be substituted in the core with the approval of the Program Head or Director of Graduate Studies.

II. Prescribed Electives: 9 semester credit hours

Students complete nine semester credit hours in ONE of the following areas of field. (Social and Health Policy, Security Studies, Geographic Information Systems, or Analytic Methods). All courses must be approved by the Program Head or Director of Graduate Studies.

**A. Social and Health Policy**

- **PPPE 6313** Human Organizations and Social Theory
- **PPPE 6334** or **GISC 6334** Workshop in Environmental and Health GIS/Policy
- **PPPE 6340** Domestic Social Policy
**A. Development and International Health**

- PPPE 6341 Health Policy
- PPPE 6343 Global Health Policy
- PPPE 6350 Social Stratification
- PPPE 6356 Health and Illness

Other courses as approved by the Program Head or Director of Graduate Studies

**B. Security Studies**

- PPPE 6361 Civil Conflict
- PPPE 6369 National and International Security Strategies and Policies
- PPPE 6363 Conflict and Development

- PSCI 6321 Proseminar in Comparative Politics
- PSCI 6319 Proseminar in International Relations
- PSCI 6306 Human Rights and International Law
- PSCI 7318 Conflict Management
- PSCI 7330 International Conflict
- PSCI 7335 Theories of International Relations
- PPPE 7313 Counterterrorism and Counterinsurgency

Other courses as approved by the Program Head or Director of Graduate Studies

**C. Geographic Information Systems (GIS)**

- GISC 6381 (GEOS 6381) Geographic Information Systems Fundamentals
- GISC 6384 (GEOS 6384) Advanced Geographic Information Systems

And one of the following:

- GISC 5322 (GEOS 5322) GPS (Global Positioning System) Satellite Surveying Techniques
- GISC 5324 (GEOS 5324) 3D Data Capture and Ground Lidar
- GISC 6301 GIS Data Analysis Fundamentals
- GISC 6317 Social and Geospatial Science Programming Fundamentals
- GISC 6325 (GEOS 5325) Remote Sensing Fundamentals
- GISC 6363 Internet Mapping and Information Processing
- GISC 6385 (GEOS 6385) GIS Theories, Models and Issues
- GISC 6388 Advanced GIS Programming
- GISC 7310 Advanced GIS Data Analysis
GISC 7360 GIS Pattern Analysis
GISC 7361 Spatial Statistics
GISC 7365 (GEOS 5326) Advanced Remote Sensing
Other courses as approved by the Program Head or Director of Graduate Studies

D. Analytic Methods

EPPS 6326 Machine Learning for Socio-Economic and Geo-Referenced Data
EPPS 6346 Qualitative Research Orientation
EPPS 6352 Evaluation Research Methods in the Economic, Political and Policy Sciences
EPPS 6355 Content Analysis
EPPS 7304 Cost-Benefit Analysis
EPPS 7318 Structural Equation and Multilevel (Hierarchical) Modeling
EPPS 7344 Categorical and Limited Dependent Variables
EPPS 7368 Spatial Epidemiology
EPPS 7370 Time Series Analysis I
EPPS 7371 Time Series Analysis II
EPPS 7386 Survey Research
EPPS 7390 Bayesian Analysis for Social and Behavioral Sciences
EPPS 7V81 Special Topics in Social Science Research Methodology
Other courses as approved by the Program Head or Director of Graduate Studies

E. Program Evaluation (9 semester credit hours)

EPPS 6352 Evaluation Research Methods in the Economic, Political and Policy Sciences
PPPE 6V91 Evaluation Research (6 semester credit hours)
PPPE 6310 Research Design I
EPPS 7304 Cost-Benefit Analysis

Other policy related field areas proposed by the student and approved by the Program Head are possible.

Students should consult the graduate catalog, and the Program Head or Director of Graduate Studies, for additional information regarding those courses that would best satisfy the "Prescribed Electives" requirement.

III. Free Electives: 6 semester credit hours
Students may select six semester credit hours of 6000-level or higher courses. Students may choose courses that are not selected under "Major Required Core Courses" to fulfill this requirement and may choose courses outside the School of Economic, Political and Policy Sciences.

Graduate Certificate in Economic and Demographic Data Analysis

15 semester credit hours

The School of Economic, Political and Policy Sciences (EPPS) offers a Graduate Certificate in Economic and Demographic Data Analysis. This graduate certificate is for students who want to gain competencies in research design, quantitative analysis and statistical modeling for applications in the fields such as public policy, urban affairs, public health, economic development, criminology, public management, financial institutions, and marketing. The Certificate in Economic and Demographic Data Analysis may be acquired by graduate degree-seeking and non-degree seeking students. For the certificate, students must complete 15 graduate semester credit hours (5 courses).

Faculty

**Professors:** Kurt J. Beron, Patrick T. Brandt, Dohyeong Kim

**Associate Professors:** Vito D'Orazio, Simon M. Fass

**Associate Professor of Practice:** Timothy M. Bray

I. Core Method Courses (6 semester credit hours)

Algebra-based Series:

- EPPS 6313 Introduction to Quantitative Methods
- EPPS 6316 Applied Regression

or

Calculus-based Series:

- EPPS 7313 Descriptive and Inferential Statistics
- EPPS 7316 Regression and Multivariate Analysis

II. Prescribed Electives (9 semester credit hours)

Students must choose at least three courses from the following:

- EPPS 6326 Machine Learning for Socio-Economic and Geo-Referenced Data
- EPPS 7318 Structural Equation and Multilevel (Hierarchical) Modeling
- EPPS 7344 Categorical and Limited Dependent Variables
Other courses as approved by the Coordinator of the certificate program or Associate Dean of Graduate Education. However, students should check with the Coordinator of the certificate program or Associate Dean of Graduate Education for details as to the list of acceptable courses.

Students seeking the certificate who do not plan to seek a degree should (1) submit an application and (2) an undergraduate transcript. No GRE score is required. Up to 15 semester credit hours of coursework taken to fulfill the Graduate Certificate in Economic and Demographic Data Analysis can be applied later to a graduate degree. (Certificate seeking students who are interested in continuing their graduate education must formally apply to the University and their program of interest to be considered for admission.

Courses for the certificate must be completed within a 3-year period with a minimum cumulative GPA of 3.0.

**Graduate Certificate in Program Evaluation**

**15 semester credit hours**

A graduate-level certificate in Program Evaluation offers students an opportunity to gain competencies in the design and implementation of program evaluation in various fields of public policy such as education, health care, human services, criminal justice, and economic development. The Certificate in Program Evaluation may be incorporated into graduate degree programs in the School of Economic, Political and Policy Sciences, or taken independently by non-degree seeking students. Students pursuing the certificate program are normally expected to have completed undergraduate courses in statistics and in research methods. Students lacking appropriate preparation may be asked to take needed courses prior to admission to the certificate program.

To receive the certificate, students must successfully complete a total of 15 semester credit hours of focused study, comprising of three required courses in the School of Economic, Political and Policy Sciences (9 semester credit hours) and 6 semester credit hours of field practice.

**Faculty**

**Professors:** Jennifer S. Holmes, Dohyeong Kim

**Associate Professor:** Simon M. Fass

**I. Core Method Courses (6 semester credit hours)**

Algebra-based Series:
**II. Evaluation Method Course (3 semester credit hours)**

Choose one course from the following:

- **EPPS 6352** Evaluation Research Methods in the Economic, Political and Policy Sciences
- **EPPS 7304** Cost-Benefit Analysis
- **PA 6315 (SOC 6315)** Evaluating Program and Organizational Performance
- **PPPE 6310** Research Design I

**III. Evaluation Research Project (6 semester credit hours)**

Choose one course from the following:

- **PPPE 6V91** Evaluation Research (6 semester credit hours)
- **EPPS 6V97** Internship (6 semester credit hours)

With permission of the Coordinator of the certificate program or Associate Dean of Graduate Education, students may substitute appropriate courses from other offerings in the School of Economic, Political and Policy Sciences or prior coursework taken at other institutions.

Students interested in applying for admission to the Certificate in Program Evaluation should consult the graduate advising office in the School of Economic, Political and Policy Sciences.

Courses for the certificate must be completed within a 3-year period with a minimum cumulative GPA of 3.0.

1. Courses that count for multiple fields can only be applied to one field, and may not be double counted in two fields for an individual student or may not count for both a field and a core.
2. This is a two-semester long program evaluation project that culminates in a final report.