Twin Cities Campus
Development Practice M.D.P.
HHH Administration
Hubert H. Humphrey School of Public Affairs

Link to a list of faculty for this program.

Contact Information:
Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax: 612-626-0002)
Email: hhhadmit@umn.edu
Website: http://www.hhh.umn.edu

- Program Type: Master's
- Requirements for this program are current for Fall 2011
- Length of program in credits: 50
- This program requires summer semesters for timely completion.
- Degree: Master of Development Practice

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of development practice (M.D.P.) prepares students for careers in international development. The degree provides rigorous interdisciplinary training and equips students with the skills needed to address the problems of poverty and sustainable development in the developing world.

The M.D.P. program is jointly administered by the Humphrey School of Public Affairs and the Interdisciplinary Center for the Study of Global Change (ICGC) and spans several academic units across the University of Minnesota. The degree provides training in policy analysis and management, health and education, natural sciences, social sciences, and interdisciplinary research methods. An international field experience and capstone workshop in development practice also are required.

The M.D.P. degree is part of a global consortium of international development programs.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A four-year bachelor's degree from an accredited U.S. university or foreign equivalent at time of enrollment.

A grade of B or better in an introductory microeconomics or general economics course that includes introductory microeconomics is required. A macroeconomic course will not satisfy this requirement. Competence in college-level algebra (including facility with functional notations; algebraic manipulation of polynomials, logs, and exponentials; and graphic representation of equations) is required for M.D.P. students. A grade of B or better in a college-level course in biology, chemistry, or ecology. At least one course in political science (that analyzes political institutions) is strongly recommended.

Competence in MS Excel and Word is strongly recommended. International professional experience and foreign language competency are strongly preferred.

Special Application Requirements:
A complete application will include a Graduate School application, personal statement, resume or C.V., transcripts, GRE scores, TOEFL scores, at least three letters of recommendation, and a diversity statement.

Applicants must submit their test score(s) from the following:
- GRE

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 100
Paper Based - Total Score: 600
• IELTS
- Total Score: 7

The preferred English language test is Test of English as Foreign Language

Key to test abbreviations (GRE, TOEFL, IELTS).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Plan C: Plan C requires 50 major credits and null credits outside the major. The is no final exam. A capstone project is required.

Capstone Project: The capstone project is an opportunity for M.D.P. students in their second year to apply their knowledge through a client-based team project. Each student team and the workshop instructor will work with an NGO or public sector client engaged in some dimension of international development, preferably situated in a developing country, to identify a suitable project. While the specifics of each project will vary, all will include in-depth research, analysis, and the creation of a professional written report. Student teams will be expected to develop an appropriate presentation of this product to the relevant stakeholders. The projects will be done by small groups and can have multiple dimensions. Students will have the opportunity to integrate various aspects of development such as economic development, public health, environmental sustainability, education and skills development, and citizen participation.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

At least 1 semesters must be completed before filing a Degree Program Form.

Required Core Courses
- AGRO 5321 - Ecology of Agricultural Systems (3.0 cr)
- MDP 5001 - Ways of Knowing and Sustainable Livelihoods (2.0 cr)
- MDP 5002 - Research Methods for Sustainable Livelihoods (2.0 cr)
- MDP 5003 - Field Study Pre-Departure Seminar (1.0 cr)
- MDP 5100 - International Field Seminar (1.0 cr)
- MDP 5200 - Capstone Workshop in Development Practice (3.0 cr)
- PA 5501 - Theories and Policies of Development (3.0 cr)
- PA 5521 - Development Planning and Policy Analysis (4.0 cr)
- PA 5031 - Empirical Analysis I (4.0 cr)
- PA 5003 - Introduction to Financial Analysis and Management (1.5 cr)
- PA 5941 - Leadership for the Common Good (4.0 cr)

Education Policy
- OLPD 5121 - Educational Reform in International Context (3.0 cr)
- or OLPD 5080 - Special Topics: Educational Policy and Administration (1.0 - 3.0 cr)

Environmental Science
- EEB 5146 - Science and Policy of Global Environmental Change (3.0 cr)
- or GEOG 5401 - Geography of Environmental Systems and Global Change (4.0 cr)

Qualitative Analysis
- OLPD 5056 - Case Studies for Policy Research (3.0 cr)
- or PA 5041 - Qualitative Methods for Policy Analysts (4.0 cr)

Public Health
- PUBH 6320 - Fundamentals of Epidemiology (3.0 cr)
- or PUBH 6100 - Topics: Environmental Health (0.5 - 4.0 cr)

Electives
Electives (to bring total degree credits to at least 50) can be chosen from the four main areas listed below.
Take 3 or more credits(s) from the following:

-Natural Sciences
- ESPM 5061 - Water Quality and Natural Resources (3.0 cr)
- or ESPM 5101 - Conservation of Plant Biodiversity (3.0 cr)
- or ESPM 5108 - Ecology of Managed Systems (4.0 cr)
- or ESPM 5202 - Environmental Conflict Management, Leadership, and Planning (3.0 cr)
- or ESPM 5251 - Natural Resources in Sustainable International Development (3.0 cr)
- or ESPM 5604 - Environmental Management Systems and Strategy (3.0 cr)
or FR 5104 - Forest Ecology (4.0 cr)
or FR 5153 - Forest and Wetland Hydrology (3.0 cr)
or HORT 5071 - Ecological Restoration (4.0 cr)
or PA 5721 - Energy and Environmental Policy (3.0 cr)
or WRS 5241 - Ecological Risk Assessment (3.0 cr)

**Health and Education**
- OLPD 5104 - Strategies for International Development of Education Systems (3.0 cr)
or PA 5414 - Child Human Rights: Work and Education (3.0 cr)
or PUBH 6080 - Seminar: Policy, Politics, and Ethics of Public Health Decision Making (2.0 cr)
or PUBH 6133 - Global Health Seminar (1.0 cr)
or PUBH 6807 - Global Health Relief, Development, and Religious and Non-Religious NGOs (3.0 cr)
or PUBH 6845 - Using Demographic Data for Policy Analysis (3.0 cr)
or PUBH 6933 - Nutrition and Chronic Diseases (2.0 cr)
or PUBH 8140 - Validity Concepts in Epidemiologic Research (2.0 cr)
or PUBH 8142 - Epidemiologic Uncertainty Analysis (2.0 cr)

**Management and Policy Analysis**
- PA 5101 - Management and Governance of Nonprofit Organizations (3.0 cr)
or PA 5111 - Financial Management in Public and Nonprofit Organizations (3.0 cr)
or PA 5301 - Population Methods and Issues for the United States and Third World (3.0 cr)
or PA 5522 - International Development Policy, Families, and Health (3.0 cr)
or OLPD 5011 - Leading Organizational Change: Theory and Practice (3.0 cr)
or OLPD 5048 - Cross-Cultural Perspectives on Leadership (3.0 cr)
or OLPD 5851 - Methods for Change in Developing Countries (3.0 cr)

**Social Science**
- ANTH 5041 - Ecological Anthropology (3.0 cr)
or ANTH 8122 - Problems in Culture Change and Applied Anthropology (3.0 - 6.0 cr)
or APEC 5152 - Applied Macroeconomics: Income and Employment (3.0 cr)
or APEC 5651 - Economics of Natural Resource and Environmental Policy (3.0 cr)
or GEOG 8007 - Proseminar: Theories of Development and Change (3.0 cr)
or GEOG 5385 - Globalization and Development: Political Economy (4.0 cr)
or GEOG 5561 - Principles of Geographic Information Science (4.0 cr)
or GEOG 5565 - Geographical Analysis of Human-Environment Systems (3.0 cr)
or PA 5801 - Global Public Policy (3.0 cr)
or POL 5485 - Human Rights and Democracy in the World (3.0 cr)
or POL 5889 - Governments and Global Trade and Money (3.0 cr)
or SOC 5090 - Topics in Sociology (1.0 - 3.0 cr)
Twin Cities Campus

Nonprofit Management Postbaccalaureate Certificate
HHH Administration
Hubert H. Humphrey School of Public Affairs

Link to a list of faculty for this program.

Contact Information:
Graduate Student Services, Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax: 612-626-0002)
Email: hhhadmit@umn.edu
Website: http://www.hhh.umn.edu

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2011
- Length of program in credits: 16
- This program does not require summer semesters for timely completion.
- Degree: Nonprofit Management PBacc Cert

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The nonprofit management certificate program is designed for professionals who are employed in nonprofit organizations, especially persons who do not have a formal educational background in managing and leading a nonprofit organization. Students acquire knowledge and skills in effective leadership and management, organizational development, nonprofit governance, strategic planning, policy analysis, human resource development, finance, and fundraising. Jointly sponsored by the Humphrey School of Public Affairs, the School of Social Work, the School of Public Health, and the College of Education and Human Development, this program offers a wide array of elective courses appropriate to a broad range of nonprofit settings.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A bachelor's degree from an accredited institution. Mathematics courses through algebra. A ine-semester course in microeconomics.

Special Application Requirements:
A complete application will include a Graduate School application, personal statement, resume or C.V., transcripts, and nonprofit experience form.

International applicants must submit score(s) from one of the following tests:
• TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 600
• IELTS
  - Total Score: 7

Key to test abbreviations (TOEFL, IELTS).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.
16 credits of coursework are required, including 7.5 credits of required courses. Required courses must be taken for a letter grade.

In consultation with the faculty adviser, a minimum of 8.5 elective credits are chosen to meet the student's individual goals and interests.

**Required Core Courses (7.5 credits)**
- PA 5003 - Introduction to Financial Analysis and Management (1.5 cr)
- PA 5251 - Strategic Planning and Management (3.0 cr)
- PA 5101 - Management and Governance of Nonprofit Organizations (3.0 cr)
Twin Cities Campus
Policy Issues on Work and Pay Postbaccalaureate Certificate
HHH Administration
Hubert H. Humphrey School of Public Affairs

Link to a list of faculty for this program.

Contact Information:
Graduate Student Services, Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax: 612-626-0002)
Email: hhhadmit@umn.edu
Website: http://www.hhh.umn.edu

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2011
- Length of program in credits: 15
- This program does not require summer semesters for timely completion.
- Degree: Policy Issues on Work and Pay PBacc Cert

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The policy issues in work and pay certificate provides an understanding of, and the ability to evaluate and develop, federal, state, and local policies that affect the employment relationship. Students learn about the role of government in the employment relationship, including statutes and how employers, unions, and the government interpret and utilize policies. Core courses are drawn from the Humphrey School of Public Affairs as well as the Center for Human Resources and Labor Studies in the Carlson School of Management, with auxiliary courses in law, history, sociology, and applied economics.

The certificate consists of at least 15 credits. Students complete 10 elective credits that allow them to focus on the area of public policy that is most relevant to their professional and educational goals and needs. Some elective courses require prerequisites, which do not count toward the certificate.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

Mathematics courses at least through algebra; a one-semester course in microeconomics.

Special Application Requirements:
A complete application will include a Graduate School application, personal statement, resume or C.V., transcripts, and a diversity statement.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 600
- IELTS
  - Total Score: 7

Key to test abbreviations (TOEFL, IELTS).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

At least 1 semester must be completed before filing a Degree Program Form.

Required Core Courses (5 credits)
- PA 5431 - Public Policies on Work and Pay (3.0 cr)
  Note: Only the section of PA 5022 specifically titled Economics of Social Insurance Programs (3 cr) will count toward the certificate.
  - HRIR 5054 - Public Policies on Employee Benefits: Social Safety Nets (2.0 cr)
  - or PA 5022 - Economics For Policy Analysis and Planning II (1.5 - 3.0 cr)

Elective Courses (minimum of 10 credits)
  Note: HRIR 5000: Topic of section must cover public policies. PA 8390 topic is Research Methods in Public Policy.
  Take 3 - 5 course(s) totaling 10 or more credits(s) from the following:
  - HRIR 5000 - Topics in Human Resources and Industrial Relations (2.0 cr)
  - HRIR 5022 - Managing Diversity (2.0 cr)
  - HRIR 5023 - Employment and Labor Law for the HRIR Professional (2.0 cr)
  - HRIR 5025 - Comparative and International Human Resources and Industrial Relations (2.0 cr)
  - HRIR 8071 - Labor Relations and Collective Bargaining (4.0 cr)
  - PA 5401 - Poverty, Inequality, and Public Policy (3.0 cr)
  - PA 8390 - Advanced Topics in Advanced Policy Analysis Methods (1.0 - 3.0 cr)
  - HIST 5844 - U.S. Labor History (3.0 cr)
  - LAW 6203 - Labor Law (2.0 - 3.0 cr)
  - LAW 6631 - Employment Discrimination (3.0 - 4.0 cr)
  - LAW 6625 - Disability Law (3.0 cr)
  - LAW 6632 - Employment Law (2.0 - 3.0 cr)
  - LAW 6833 - Alternative Dispute Resolution (2.0 - 3.0 cr)
  - APEC 5511 - Labor Economics (3.0 cr)
  - SOC 8421 - Work and Occupations (3.0 cr)
Twin Cities Campus

Public Affairs Leadership Postbaccalaureate Certificate

HHH Administration
Hubert H. Humphrey School of Public Affairs

Link to a list of faculty for this program.

Contact Information:
Graduate Student Services, Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax: 612-626-0002)
Email: hhhadmit@umn.edu
Website: http://www.hhh.umn.edu

- Program Type: Post-baccalaureate credit certificate/licensure/endorsement
- Requirements for this program are current for Fall 2011
- Length of program in credits: 12
- This program does not require summer semesters for timely completion.
- Degree: Public Affairs Leadership PBac Certificate

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The Certificate in Public Affairs Leadership offers mid-career professionals specific knowledge and skills in leadership, management, public policy, and analysis to succeed in today's challenging environment. Intended for working professionals, the program allows students to complete a professional certificate in an integrative cohort format in nine months. The certificate stands on its own or can be a stepping stone to the mid-career Master of Public Affairs degree. The Certificate in Public Affairs Leadership is offered in a unique combination of on campus and online sessions, making it convenient for students from outside of the Twin Cities area to participate. The program starts with an intensive, introductory week in August, followed by monthly Friday-Saturday meetings from September to April. This cohort approach combines the intensity and depth of in-person instruction paired with the convenience of online coursework. (Students also may pursue the certificate by taking courses in a weekly classroom format.)

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)
- partially online (between 50% to 80% of instruction is online)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A four-year bachelor's degree from an accredited U.S. university or foreign equivalent at time of enrollment.

Students must have 10 years of professional experience and a demonstrated interest in public affairs.

A complete application will include a Graduate School application, personal statement, resume or C.V., transcripts, TOEFL scores (when applicable), at least three letters of recommendation, and a diversity statement.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 600
- IELTS
  - Total Score: 7

Key to test abbreviations (TOEFL, IELTS).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

Course Group 0

Curriculum

Cohort Option
PA 5051 - Cohort Leadership I (2.0 cr)
PA 5052 - Cohort Leadership II (2.0 cr)
PA 5053 - Cohort Policy Analysis I (2.0 cr)
PA 5054 - Cohort Policy Analysis II (2.0 cr)
PA 5055 - Cohort Quantitative Analytics I (2.0 cr)
PA 5056 - Cohort Quantitative Analytics II (2.0 cr)

-OR-

Weekly Classroom Option
PA 5941 - Leadership for the Common Good (4.0 cr)
PA 5038 - Analytics for Leaders I (2.0 cr)
PA 5039 - Analytics for Leaders II (2.0 cr)
PA 8001 - Transforming Public Policy (4.0 cr)
Twin Cities Campus
Public Affairs M.P.A.
HHH Administration
Hubert H. Humphrey School of Public Affairs

Link to a list of faculty for this program.

Contact Information:
Graduate Student Services, Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax: 612-626-0002)
Email: hhhadmit@umn.edu
Website: http://www.hhh.umn.edu

- Program Type: Master's
- Requirements for this program are current for Fall 2011
- Length of program in credits: 30
- This program does not require summer semesters for timely completion.
- Degree: Master of Public Affairs

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of public affairs (M.P.A.) is intended for mid-career professionals, and prepares them for public leadership and policy making. The program is typically completed in two to three years of part-time enrollment. The program can be completed in one calendar year (fall, spring, summer semesters, in that order) by attending full-time. Self-designed concentrations include advanced policy analysis methods; economic and community development; global public policy; public and nonprofit leadership and management; science, technology, and environmental policy; social policy; women and public policy; land use/urban design planning; economic and workforce development; housing and community development; environmental planning; and transportation planning. Required courses in this degree may be taken in a traditional weekly on-campus classroom setting or through a cohort format which requires monthly on-campus meetings combined with an online learning environment between the monthly meetings.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A four-year bachelor's degree from an accredited U.S. university or foreign equivalent at time of enrollment.

Special Application Requirements:
Ten years or more of postbaccalaureate professional career or public affairs experience. Demonstrated basic competency in MS Excel and Word. A complete application will include a Graduate School application, personal statement, resume or C.V., transcripts, TOEFL scores (if applicable), at least three letters of recommendation, and a diversity statement.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 600
- IELTS
  - Total Score: 7

Key to test abbreviations (TOEFL, IELTS).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

Program Requirements
Plan C: Plan C requires 30 major credits and null credits outside the major. There is no final exam. A capstone project is required.

Capstone Project: The capstone project is designed to provide a learning opportunity for students to apply their knowledge through a client-based team project. The workshop includes a written report for the client, an oral presentation to the client that summarizes the major findings of the report, and a reflection paper on the workshop experience.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

At least 1 semester must be completed before filing a Degree Program Form.

Required Core Courses (12 credits)

Weekly Class Option
- PA 5941 - Leadership for the Common Good (4.0 cr)
- PA 5038 - Analytics for Leaders I (2.0 cr)
- PA 5039 - Analytics for Leaders II (2.0 cr)
- PA 8001 - Transforming Public Policy (4.0 cr)

or Cohort Option
- PA 5051 - Cohort Leadership I (2.0 cr)
- PA 5052 - Cohort Leadership II (2.0 cr)
- PA 5053 - Cohort Policy Analysis I (2.0 cr)
- PA 5054 - Cohort Policy Analysis II (2.0 cr)
- PA 5055 - Cohort Quantitative Analytics I (2.0 cr)
- PA 5056 - Cohort Quantitative Analytics II (2.0 cr)

Capstone Project
- PA 5080 - Capstone Preparation Workshop (1.0 cr)
- PA 8081 - Capstone Workshop (3.0 cr)

Remaining Credits (14)

M.P.A. students self-design their courses of study, choosing from a wide variety of classes, including skills courses in management, analysis, and planning; and concentration courses in such areas as global policy; social policy; economic and community development; science, technology, and environmental policy; and urban and regional policy and planning. For a list of ideas on how to formulate their concentrations, students should read the program planning worksheet for M.P.A.s.
**Twin Cities Campus**

**Public Affairs Minor**

*HHH Administration*  
**Hubert H. Humphrey School of Public Affairs**

Link to a [list of faculty](#) for this program.

**Contact Information:**  
Graduate Student Services, Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax: 612-626-0002)  
Email: hhhadmit@umn.edu  
Website: [http://www.hhh.umn.edu](http://www.hhh.umn.edu)

- **Program Type:** Graduate minor related to major  
- **Requirements for this program are current for Fall 2011**  
- **Length of program in credits (Masters):** 9  
- **Length of program in credits (Doctorate):** 12  
- **This program does not require summer semesters for timely completion.**

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

The public affairs minor prepares students for public leadership and policy making. Completion of requirements is possible within a semester, although it is also possible to spread the classes over a longer period of time. Areas of study include advanced policy analysis methods; economic and community development; global public policy; public and nonprofit leadership and management; science, technology, and environmental policy; social policy; women and public policy; land use/urban design planning; economic and workforce development; housing and community development; environmental planning; and transportation planning.

**Program Delivery**  
This program is available:  
- via classroom (the majority of instruction is face-to-face)

**Program Requirements**  
Use of 4xxx courses towards program requirements is not permitted.

The minor in public affairs consists of graduate-level public affairs (PA) courses, all completed with grades of B or better. Specific coursework is chosen in consultation with the student's minor adviser or director of graduate studies. Students are required to take a minimum of one course from those required for the master of public affairs degree program.
Twin Cities Campus
Public Policy M.P.P.
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- Program Type: Master's
- Requirements for this program are current for Fall 2011
- Length of program in credits: 45
- This program does not require summer semesters for timely completion.
- Degree: Master of Public Policy

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of public policy (M.P.P.) curriculum is built upon a core of required theoretical and methodological courses. In remaining courses, students choose either to emphasize more advanced study of analysis or management, or to focus on a particular substantive area of public policy. Structured concentrations include advanced policy analysis methods; economic and community development; global public policy; public and nonprofit leadership and management; science, technology, and environmental policy; social policy; and women and public policy. Students have multiple opportunities to apply the concepts learned in their coursework to real-life policy problems, including cases presented in courses, their internships, and workshops. Dual degrees include M.P.P./master of business administration; M.P.P./juris doctor; M.P.P./master of science in health services research, policy, and administration; and M.P.P./master of social work.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A four-year bachelor's degree from an accredited U.S. university or foreign equivalent at time of enrollment.

Competence in college-level algebra (including facility with functional notations; algebraic manipulation of polynomials, logs, and exponentials; and graphic representation of equations) is required. A grade of B or better in an introductory course in microeconomics is required. At least one course in political science (that analyzes political institutions) is strongly recommended.

Competence in MS Excel and Word is strongly recommended.

Special Application Requirements:
A complete application will include a Graduate School application, personal statement, resume or C.V., transcripts, GRE scores, TOEFL scores (if applicable), at least three letters of recommendation, and a diversity statement.

Applicants must submit their test score(s) from the following:
- GRE

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 600
- IELTS
  - Total Score: 7
Program Requirements

Plan C: Plan C requires 45 major credits and null credits outside the major. The is no final exam.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

At least 1 semesters must be completed before filing a Degree Program Form.

This program offers options for four dual degrees. Each dual degree option within the M.P.P. allows for a different number of credits in common between the two programs:

- M.P.P./J.D.: 29 credits in common allowed
- M.P.P./M.S.W.: 21 credits in common allowed for full program, 15 for advanced standing, 11 for Direct Practice
- M.P.P./M.B.A.: 24 credits in common allowed

Core Courses

- PA 5011 - Management of Organizations (3.0 cr)
- PA 5012 - The Politics of Public Affairs (3.0 cr)
- PA 5021 - Economics For Policy Analysis and Planning I (3.0 cr)
- PA 5031 - Empirical Analysis I (4.0 cr)
- PA 5002 - Introduction to Policy Analysis (1.5 cr)
- PA 5003 - Introduction to Financial Analysis and Management (1.5 cr)

PA 5022

Take 3 or more credits from the following:
- PA 5022 - Economics For Policy Analysis and Planning II (1.5 - 3.0 cr)

Methods Courses

Take 2 or more course(s) from the following:
- PA 5032 - Intermediate Regression Analysis (2.0 cr)
- PA 5033 - Multivariate Techniques (2.0 cr)
- PA 5035 - Survey Research and Data Collection (1.5 cr)
- PA 5036 - Regional Economic Analysis (2.0 cr)
- PA 5037 - Regional Demographic Analysis (2.0 cr)

Concentration: 9 credits

Professional Paper

Professional paper through a Capstone Workshop, Working Group, or Master's: Professional Paper (Individual Option).
- PA 8081 - Capstone Workshop (3.0 cr)
- or PA 8082 - Working Group (3.0 cr)
- or PA 8921 - Master's: Professional Paper (Individual Option) (1.0 - 3.0 cr)

Electives

Electives to bring total credits to 45.
Twin Cities Campus
Public Policy Minor
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Hubert H. Humphrey School of Public Affairs

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Email: hhhadmit@umn.edu
Website: http://www.hhh.umn.edu

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2011
- Length of program in credits (Masters): 9
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The public policy curriculum is built upon a core of required theoretical and methodological courses. In coursework, students study policy analysis or management or focus on a substantive area of public policy. Substantive areas include advanced policy analysis methods; economic and community development; global public policy; public and nonprofit leadership and management; science, technology, and environmental policy; social policy; and women and public policy. Students have multiple opportunities to apply the concepts learned to real-life policy problems.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

The minor in public policy consists of graduate-level public affairs (PA) courses, all completed with grades of B or better. Specific coursework is chosen in consultation with the student's minor adviser or director of graduate studies. Students are required to take a minimum of one course from those required for the master of public policy degree program.
Twin Cities Campus
Science, Technology, and Environmental Policy M.S.
HHH Administration
Hubert H. Humphrey School of Public Affairs

Link to a list of faculty for this program.

Contact Information:
Graduate Student Services, Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax: 612-626-0002)
Email: hhhadmit@umn.edu
Website: http://www.hhh.umn.edu

- Program Type: Master’s
- Prerequisites for this program are current for Fall 2011
- Length of program in credits: 40
- This program does not require summer semesters for timely completion.
- Degree: Master of Science

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The M.S. in science, technology, and environmental policy (STEP) provides students with an understanding of the role of science and technology in society, including food and agriculture, the economy, energy and the environment, security, health, and education; the impact of science and technology on the political and economic relationships within and among nations; and the analysis and design of policies for appropriate promotion and regulation of science and technology regionally, nationally, and internationally. The program educates students with natural and social science backgrounds to assume roles in public policy development.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A four-year bachelor’s degree from an accredited U.S. university or foreign equivalent at time of enrollment.

A grade of B or better in introductory microeconomics is required. At least one course in political science (that analyzes political institutions) is strongly recommended. At least one semester of calculus is required. A degree or advanced-level coursework in the natural or engineering sciences is expected. Students who have not taken introductory statistics prior to admission must take PA 5031, above the 40 credits required for the degree.

Competence in MS Excel and Word is strongly recommended.

Special Application Requirements:
A complete application will include a Graduate School application, personal statement, resume or C.V., transcripts, GRE scores, TOEFL scores (if applicable), at least three letters of recommendation, and a diversity statement.

International applicants must submit score(s) from one of the following tests:
- TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 700
- IELTS
  - Total Score: 7

Key to test abbreviations (TOEFL, IELTS).

For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.
Program Requirements

Plan A: Plan A requires 24 major credits, 6 credits outside the major, and 10 thesis credits. The final exam is oral.

Plan B: Plan B requires 34 major credits and 6 credits outside the major. The final exam is oral.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

At least 1 semesters must be completed before filing a Degree Program Form.

Students should take 6 credits to complement their previous training: appropriate courses in natural or engineering science or its history or philosophy for those with social science backgrounds; appropriate courses in the social sciences for those with natural or engineering science backgrounds.

Elective credits are chosen in consultation with the student's adviser.

Students who have not taken prior coursework in statistics must demonstrate to their advisers that they have adequate preparation in statistics or must take Empirical Analysis I (PA 5031). PA 5031 does not count toward fulfilling the 40-credit minimum requirement.

Required Core Courses

PA 5012 - The Politics of Public Affairs (3.0 cr)
PA 5021 - Economics For Policy Analysis and Planning I (3.0 cr)
PA 5002 - Introduction to Policy Analysis (1.5 cr)
PA 5711 - Science and Technology Policy (3.0 cr)
PA 5722 - Environmental and Resource Economics Policy (3.0 cr)
PA 5715 - Survey of Current Issues in Science, Technology, and Environmental Policy (1.5 cr)
PA 5790 - Topics in Science, Technology, and Environmental Policy (1.0 - 3.0 cr)

At least one of the following:

PA 5723 - Water Policy (3.0 cr)
or PA 5721 - Energy and Environmental Policy (3.0 cr)
or PA 5731 - Emerging Technologies and Society (3.0 cr)
or PA 5741 - Risk Analysis and Policy (3.0 cr)

Methods Courses

Take 2 or more course(s) from the following:

• PA 5032 - Intermediate Regression Analysis (2.0 cr)
• PA 5033 - Multivariate Techniques (2.0 cr)
• PA 5035 - Survey Research and Data Collection (1.5 cr)
• PA 5036 - Regional Economic Analysis (2.0 cr)
• PA 5037 - Regional Demographic Analysis (2.0 cr)
• PA 5041 - Qualitative Methods for Policy Analysts (4.0 cr)

Plan B Paper or Plan A Thesis

Electives

Electives to bring total credits to at least 40.

Joint- or Dual-degree Coursework: Joint Degree Program in Law, Health, and the Life Sciences (M.S.-S.T.E.P./J.D.) Student may take a total of 24 credits in common among the academic programs.
Twin Cities Campus
Science, Technology, and Environmental Policy Minor
HHH Administration
Hubert H. Humphrey School of Public Affairs

Link to a list of faculty for this program.

Contact Information:
Graduate Student Services, Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax: 612-626-0002)

• Program Type: Graduate minor related to major
• Requirements for this program are current for Fall 2011
• Length of program in credits (Masters): 9
• Length of program in credits (Doctorate): 12
• This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The minor in science, technology, and environmental policy provides students with an understanding of the role of science and technology in society, including food and agriculture, the economy, energy and the environment, security, health, and education; the impact of science and technology on the political and economic relationships within and among nations; and the analysis and design of policies for appropriate promotion and regulation of science and technology regionally, nationally, and internationally.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

The science, technology, and environmental policy minor consists of graduate-level public affairs courses, all completed with grades of B or better. Specific coursework is chosen in consultation with the student's minor adviser or director of graduate studies. Students are required to take a minimum of one required course in the M.S.-STEP degree program.
Twin Cities Campus
Urban and Regional Planning M.U.R.P.
HHH Administration
Hubert H. Humphrey School of Public Affairs

Link to a list of faculty for this program.

Contact Information:
Graduate Student Services, Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax 612-626-0002)
Email: hhhadmit@umn.edu
Website: http://www.hhh.umn.edu

- Program Type: Master's
- Requirements for this program are current for Fall 2011
- Length of program in credits: 48
- This program does not require summer semesters for timely completion.
- Degree: Master of Urban and Regional Planning

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

The master of urban and regional planning (M.U.R.P.) degree is an interdisciplinary program that prepares students to analyze, forecast, design, and implement plans for regions, communities, and neighborhoods. Students develop a comprehensive understanding of the built environment (land use, transportation, housing, regional economies) and the ability to mediate among competing interests. They are prepared for jobs in public, nonprofit, and private sectors. Students can generally complete the M.U.R.P. degree in two years of full-time study.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Prerequisites for Admission
The preferred undergraduate GPA for admittance to the program is 3.00.

A four-year bachelor's degree from an accredited U.S. university or foreign equivalent at time of enrollment.

Competence in college-level algebra (including facility with functional notations; algebraic manipulation of polynomials, logs, and exponentials; and graphic representation of equations) is required. A grade of B or better in an introductory course in microeconomics is strongly recommended. (A macroeconomics or single-semester general economics course will not satisfy this requirement.) At least one course in political science (that analyzes political institutions) is strongly recommended.

Competence in MS Excel and Word is strongly recommended. M.U.R.P. students must demonstrate competence with GIS through coursework or work experience. (Students not competent in GIS must take a GIS course as part of their 48 credits).

Special Application Requirements:
A complete application will include a Graduate School application, personal statement, resume or C.V., transcripts, GRE scores, TOEFL scores (if applicable), at least three letters of recommendation, and a diversity statement.

Applicants must submit their test score(s) from the following:
• GRE

International applicants must submit score(s) from one of the following tests:
• TOEFL
  - Internet Based - Total Score: 100
  - Paper Based - Total Score: 600
• IELTS
  - Total Score: 7

Key to test abbreviations (GRE, TOEFL, IELTS).

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Information current as of October 01, 2012
For an online application or for more information about graduate education admissions, see the General Information section of the catalog website.

**Program Requirements**

**Plan A:** Plan A requires 32 major credits, 6 credits outside the major, and 10 thesis credits. The final exam is oral.

**Plan C:** Plan C requires 48 major credits and null credits outside the major. The final exam is oral.

This program may be completed with a minor.

Use of 4xxx courses towards program requirements is not permitted.

A minimum GPA of 2.80 is required for students to remain in good standing.

At least 1 semester must be completed before filing a Degree Program Form.

A 400-hour professional internship is required.

This program offers options for four dual degrees. Each dual degree option allows a different number of credits in common between the two degrees:

- M.U.R.P./J.D.: 29 credits in common allowed
- M.U.R.P./M.S.C.E.: 18 credits in common allowed
- M.U.R.P./M.S.W.: 21 credits in common allowed for the full program; 15 for advanced standing; and 11 for M.S.W. Direct Practice

**Required Core Courses**

- PA 5004 - Introduction to Planning (3.0 cr)
- PA 5013 - Law and Urban Land Use (1.5 cr)
- PA 5031 - Empirical Analysis I (4.0 cr)
- PA 5036 - Regional Economic Analysis (2.0 cr)
- PA 5037 - Regional Demographic Analysis (2.0 cr)
- PA 5253 - Designing Planning and Participation Processes (3.0 cr)
- PA 8081 - Capstone Workshop (3.0 cr)

One of the Following:

- PA 5204 - Urban Spatial and Social Dynamics (3.0 cr)
- or PA 5521 - Development Planning and Policy Analysis (4.0 cr)

**Domain Courses**

Take 2 or more course(s) from the following:

- PA 8201 - Environment and Infrastructure Planning (4.0 cr)
- PA 8202 - Networks and Places: Transportation, Land Use, and Design (4.0 cr)
- PA 8203 - Neighborhood Revitalization Strategies and Theories (4.0 cr)
- PA 8204 - Creating Good Work: Economic and Workforce Development (4.0 cr)

**Concentration**

- 9-credit concentration (Plan C) or 6-credit concentration (Plan A)

**Electives or Thesis Credits**

Electives or Optional Plan A thesis credits (to bring total degree credits to at least 48)
Twin Cities Campus
Urban and Regional Planning Minor

HHH Administration
Hubert H. Humphrey School of Public Affairs

Link to a list of faculty for this program.

Contact Information:
Graduate Student Services, Hubert H. Humphrey School of Public Affairs, University of Minnesota, 301 19th Avenue South, Minneapolis, MN 55455 (612-624-3800; fax: 612-626-0002)
Email: hhhadmit@umn.edu
Website: http://www.hhh.umn.edu

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2011
- Length of program in credits (Masters): 9
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the General Information section of the catalog website for requirements that apply to all major fields.

Planners bring together knowledge and expertise from many diverse disciplines to shape neighborhoods, cities, and regions. The urban and regional planning minor helps students to think across those fields of expertise and act upon links among environmental systems, infrastructure development, and housing and community development. The program teaches technical and analytical skills needed to think strategically about developing and implementing plans at the neighborhood, city, and regional level.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Program Requirements
Use of 4xxx courses towards program requirements is not permitted.

The minor in urban and regional planning consists of graduate-level public affairs (PA) courses, all completed with grades of B or better. Specific coursework is chosen in consultation with the student's minor adviser or director of graduate studies. Students are required to take a minimum of one course from those required for the master of urban and regional planning degree program.