

# Economics and Community Development

## Department Goals

The Department of Economics and Community Development examines humanity's stewardship of the resources of God's creation. The department believes that the manner in which humans cultivate and develop the creation emanates from their basic worldview commitments. However, human stewardship is not autonomous but takes place within God's sovereign plan as expressed through His unfolding story of creation, fall, redemption, and consummation. This framework shapes the manner in which the department analyzes and critiques the ways in which individuals, communities, and nations have responded to their stewardship responsibilities.

The department offers a major and a minor in economics, both of which lay a strong theoretical and analytical foundation for understanding the manner in which resources are allocated in the local, national, and global economy. Students pursuing the economics major or minor are well prepared for graduate study in a range of disciplines and for careers in government, international agencies, non-government organizations, and the corporate sector.

The department also offers a major and a minor in community development, both of which prepare students to understand and address the issues facing poor regions, paying particular attention to working at the community level. Recognizing the multifaceted and integrated nature of both God's creational design and the problems plaguing poor communities, the department takes an interdisciplinary approach that combines training in the liberal arts, in development theory and practice, and in sector-specific development strategies. In addition to laying a biblical foundation for thinking about poor communities, students are equipped to support positive change in intercultural settings both domestically and internationally. Students pursuing these programs are well-prepared for graduate study or for employment in community-based organizations, churches, missions, relief and development agencies, and the public sector.

## The Chalmers Center for Economic Development

The Chalmers Center for Economic Development is a research and educational institute which trains workers in church-centered ministries to promote economic development and spiritual transformation in the context of poor communities. In collaboration with partnering agencies and churches worldwide, the Center initiates pilot projects that serve as laboratories for the development of new models that can be replicated by others. Students in the community development major may apply for domestic and international research internships in these projects, providing them with a unique opportunity to participate in the development of state-of-the-art strategies and to gain practical experience.

## Requirements for Major in Economics

The core and distribution requirements for a major in economics are those listed for a baccalaureate degree on page 24, with the exception that a course in finance, psychology or sociology is required to fulfill the social science distribution requirement.

|                         |       |
|-------------------------|-------|
| Core requirements ..... | 58    |
| Electives .....         | 26-28 |

### Required Core

|  |              |
|--|--------------|
| ECO 201. Principles of Macroeconomics .....    | 3            |
| ECO 202. Principles of Microeconomics .....    | 4            |
| ECO 301. Intermediate Macroeconomics.....      | 3            |
| ECO 302. Intermediate Microeconomics .....     | 3            |
| ECO 320. History of Economic Thought 'W' ..... | 3            |
| ECO 465. Econometrics I.....                   | 3            |
| ECO 492. Senior Integration Project 'S' .....  | 2            |
| MAT 145. Calculus 1 .....                      | 4            |
| STA 251. Elementary Statistical Methods, or    |              |
| MAT 250. Probability .....                     | 3-4          |
| Four Economics electives * .....               | <u>12-13</u> |
| Total hours for the major .....                | <u>40-42</u> |
| Total degree hours .....                       | 126          |

\* **Economics electives** would include any ECO-prefix course as well as these additional courses and limit:

|  |          |
|--|----------|
| MAT 247. Calculus III.....                                   | 4        |
| MAT 290. Proofs and Expositions.....                         | 3        |
| MAT 310. Linear Algebra .....                                | <u>3</u> |
| Only one of ECO 443 and ECO 448 may be taken as an elective; |          |

## Requirements for Minor in Economics

|  |    |
|--|----|
| ECO 201. Principles of Macroeconomics .....  | 3  |
| ECO 202. Principles of Microeconomics .....  | 4  |
| ECO 301. Intermediate Macroeconomics, or<br>ECO 302. Intermediate Microeconomics .....   | 3  |
| Nine upper division ECO hours at the 300-400 level, with<br>only one of ECO 443. U.S. Microeconomic Development<br>Methods, or ECO 448. International Microenterprise<br>Development permitted ..... | 9  |
| Total hours for the minor .....  | 19 |

## Requirements for Major in Community Development

The core and distribution requirements for a major in community development are those listed for a baccalaureate degree on page 24, with the exception that a course in finance, psychology or sociology is required to fulfill the social science distribution requirement.

The department takes an interdisciplinary approach that combines training in the liberal arts, in development theory and practice, and in sector-specific development strategies. The faculty teaching in the major have expertise in Adult Education, Bible and Missions, Urban or Rural Development, Economics, History, Sociology, and in various sectors pertaining to development work (e.g. health, education, environment).

|                         |    |
|-------------------------|----|
| Core requirements ..... | 58 |
| Electives .....         | 17 |

## Requirements for Major in Community Development with a Concentration in Economic Development

### Major and Supporting Course Requirements

|  |   |
|--|---|
| CDV 210. Theory of Community Development .....   | 3 |
| CDV 275. Quantitative Research for Field Settings, or<br>STA 251. Elementary Statistical Methods ..... | 4 |
| CDV 300. Living and Working in a Multicultural Context ..  | 3 |
| CDV 310. Community Development Principles and Issues..   | 3 |
| CDV 460. Cross-Cultural Social<br>Science Research Methods 'W' .....                                   | 4 |
| CDV 490. Senior Seminar in Community Development 'S' 3   |   |
| CDV 492. Senior Integration Paper in<br>Community Development .....                                    | 3 |

|   |   |
|---|---|
| ECO 201. Principles of Macroeconomics .....   | 3 |
| ECO 202. Principles of Microeconomics .....   | 4 |
| MIS 202. Theology of Missions, or<br>MIS 203. Missionary Methods and Problems ..... | 3 |

One of the following:

|   |  |
|---|--|
| ACC 201. Principles of Accounting I, or<br>BUS 250. Principles of Management or<br>BUS 330. Entrepreneurship, or<br>BUS 333. Small Business Management, or<br>ECO 301. Intermediate Macroeconomics or<br>ECO 443. U.S. Microeconomic Development Methods,*<br>or<br>ECO 448. International Microenterprise Development*...3 |  |
|---|--|

\*Students in Domestic Economic Development may not take ECO 443. as one of these and students in International Economic Development may not take ECO 448. as one of these.

## Economic Development Tracks

All students in the Economic Development concentration must choose *either the domestic or international tracks below.*

### Domestic Economic Development Track

|  |   |
|--|---|
| CDV 480. U.S. Research Internship<br>in Community Development..... | 3 |
| ECO 420. U.S. Urban Poverty.....                                   | 3 |
| ECO 443. U.S. Microeconomic Development Methods.....               | 3 |
| HIS 349. American Urban History .....                              | 3 |

One of the following:

|   |   |
|---|---|
| HIS 352. African American History Since 1865, or<br>HIS 398. North American Indians & American History, or<br>SOC 229. Cultural Anthropology, or<br>SOC 250. Introduction to Social Work..... | 3 |
|---|---|

### International Economic Development Track

|   |   |
|---|---|
| CDV 481. International Research Internship<br>in Community Development..... | 3 |
| ECO 410.Third World Economic Development.....                               | 3 |
| ECO 448. International Microenterprise Development .....                    | 3 |
| HIS 328. Developing World Since 1945 .....                                  | 3 |

One of the following:

|   |     |
|---|-----|
| BIB 303. History and Expansion of Christianity II, or<br>HIS 322. History of Modern China and Japan, or<br>HIS 327. History of South Africa, or<br>HIS 332. Modern Middle East, or<br>HIS 372. Modern Africa, or<br>MIS 302. World Religion, or<br>SOC 229. Cultural Anthropology ..... | 3   |
| Total hours for the major .....   | 51  |
| Total degree hours.....   | 126 |

## Requirements for Major in Community Development with a Concentration in Child and Family Development

The core and distribution requirements for a major in community development are those listed for a baccalaureate degree on page 24, with the exception that a course in finance, psychology or sociology is required to fulfill the social science distribution requirement.

|                         |    |
|-------------------------|----|
| Core requirements ..... | 58 |
| Electives.....          | 16 |

### Major and Supporting Course Requirements

|  |   |
|--|---|
| CDV 210. Theory of Community Development .....   | 3 |
| CDV 275. Quantitative Research for Field Settings, or<br>STA 251. Elementary Statistical Methods ..... | 4 |
| CDV 300. Living and Working in a Multicultural Context ..  | 3 |
| CDV 310. Community Development Principles and Issues..   | 3 |
| CDV 460. Cross-Cultural Social<br>Science Research Methods ‘W’ .....                                   | 4 |
| CDV 490. Senior Seminar in Community Development ‘S’   | 3 |
| CDV 492. Senior Integration Paper in<br>Community Development .....                                    | 3 |
| ECO 202. Principles of Microeconomics.....   | 4 |
| MIS 202. Theology of Missions, or<br>MIS 203. Missionary Methods and Problems .....                    | 3 |
| PSY 303. Developmental Psychology .....  | 4 |
| SOC 250. Introduction to Social Work .....   | 3 |

One of the following:

|  |   |
|--|---|
| EDU 222. Educational Psychology, or<br>PSY 347/SOC 347. Relational Counseling, or<br>SOC 341. The Family ..... | 3 |
|--|---|

### Child and Family Development Tracks

All students in the Child and Family concentration must choose *either the domestic or international tracks below.*

#### Domestic Child and Family Development Track

|  |   |
|--|---|
| CDV 480. U.S. Research Internship<br>in Community Development..... | 3 |
| ECO 420. U.S. Urban Poverty .....                                  | 3 |
| HIS 349. American Urban History.....                               | 3 |

One of the following:

|  |   |
|--|---|
| HIS 352. African American History Since 1865, or<br>HIS 398. North American Indians & American History, or<br>SOC 229. Cultural Anthropology ..... | 3 |
|--|---|

#### International Child and Family Development Track

|   |           |
|---|-----------|
| CDV 481. International Research Internship<br>in Community Development.....   | 3         |
| ECO 410. Third World Economic Development.....  | 3         |
| HIS 328. Developing World Since 1945 .....  | 3         |
| One of the following:   |           |
| BIB 303. History and Expansion of Christianity II, or<br>HIS 322. History of Modern China and Japan, or<br>HIS 327. History of South Africa, or<br>HIS 332. Modern Middle East, or<br>HIS 372. Modern Africa, or<br>MIS 302. World Religion, or<br>SOC 229. Cultural Anthropology ..... | 3         |
| Total hours for the major .....   | <u>52</u> |
| Total degree hours.....   | 126       |

### Research Internships Process

All community development students are required to complete a research internship in the concentration they have chosen. This internship normally takes place after the student’s junior year, during the summer and/or the first semester of the senior year. Department faculty work with students and partner organizations in the field to design, support, and evaluate these research internships, some of which take place in cooperation with the Chalmers Center for Economic Development, a research and educational center housed at the College. Internships may be taken for 3-6 credits for a 12-week internship and 3-12 credits for a 24-week internship, but only three credits may be used towards meeting the requirements for the major, any additional credits serving as electives towards graduation.

CDV students are required to apply for and be accepted into the internship class (CDV 480-481) at least 12 months before the internship begins. This application will include recommendations from the Priesthill Center, Student Development, faculty, and pastor regarding students’ behavioral, emotional, spiritual, social, academic, and physical readiness for an intensive cross-cultural internship. Students will also be reassessed immediately prior to the internship. Additionally, the department can determine the student is not suitable for the internship at any time in this process. Students should be aware that some internship hosts require minimum institutional GPAs of 2.75.

## Requirements for Minor in Community Development

|  |    |
|--|----|
| CDV 210. Theory of Community Development .....                                   | 3  |
| CDV 300. Living and Working in a Multicultural Context ..                        | 3  |
| CDV 310. Community Development Principles and Issues.....                        | 3  |
| CDV 460. Cross-Cultural Social Science Research Methods.....                     | 4  |
| MIS 202. Theology of Missions, or MIS 203. Missionary Methods and Problems ..... | 3  |
| Total hours for the minor .....  | 16 |

## Community Development Courses

### 210. Theory of Community Development

This course introduces the foundational theories and frameworks of community development in both developed and less developed countries. Topics include: cultural development; the emergence of institutions; the specific roles of church, state, and family; the importance of worldviews; definitions of poverty and implications for development; a critical survey of community development frameworks and approaches; and applications to contemporary problems. Emphasis throughout will focus on God as the creator, redeemer, and sustainer of cultural development. Prerequisites: Open to Freshmen and Sophomores, IDS (CDV concentration), or Missions concentration students only. Three hours.

### 275. Quantitative Research for Field Settings

This course is designed to introduce student to quantitative research design and analysis for field settings. Quantitative research provides the necessary skills for conducting program evaluations, assessing social and economic policies, and providing impact studies for decision-makers. Topics include application of measurement theory to the development and evaluation of surveys, scales, and indexes; sampling; pseudo-, true, and quasi-experimental research designs; and application of descriptive and inferential statistics to field research, including analysis of group differences, correlation, and regression. Emphasis is given to the application of quantitative methods to field settings, including community development, education, health care, and commerce. Prerequisite: MAT 122 or permission of instructor. Four hours.

### 300. Living and Working in a Multicultural Context

This course covers key principles and issues involved with successfully living and working in a multicultural environment whether in or outside of the U.S. The course

will work to equip the student with the knowledge, attitudes, and beginning skills to be a successful worker in any cultural environment. Students will examine the geographic, ethnic, and socio-economic based attitudinal and behavioral norms or tendencies that have influenced them and compare these with other peoples in the U.S. and around the world. Prerequisites: CDV 210, CDV majors/minors, IDS (CDV concentration), or Missions concentration students only. Three hours.

### 310. Community Development Principles and Issues

This course covers the key principles and issues in community development in the U.S. and Two-Thirds World. Topics include: change processes in individuals and communities; techniques for community assessment; community organizing and other strategies for transformation; methods of planning, implementing, and evaluating community-level initiatives; and practitioner attitudes and skills. Prerequisites: CDV 210, CDV majors/minors, or IDS (CDV concentration) students only. Three hours.

### 460. Cross-Cultural Social Science Research Methods

This course trains students in the fundamentals of doing social science research in the U.S. and international contexts. It examines social science research design and qualitative and quantitative research methods. Students will gain practical experience in conducting qualitative research projects. The goal is to equip students to understand and analyze complex, cross-cultural settings in order to determine appropriate community development interventions. Prerequisite: Junior Standing. Prerequisite/Corequisite for students majoring in Community Development: CDV 275 or STA 251. Four hours. 'W'

### 480. U.S. Research Internship in Community Development

This course gives students the opportunity to apply the theory, techniques, and research methods of their coursework by working in the context of less developed regions in the U.S. Department faculty work with students to design and implement research projects related to the students' concentration interest. Students typically conduct their internship by working under the auspices of a Christian organization ministering in a less developed community in the U.S. The internship takes place after the students' junior year, during the summer and/or the first semester of the senior year. Internships may be taken for 3-12 credits, but only three credits may be used towards meeting the requirements for the major, any additional credits serving as electives towards graduation. Students take a series of Priesthill Center assessments as part of this course and missed appointments will result in billing for the cost of the appointment. Prerequisites: CDV 210, 300, 310, 460, and the completion of appropriate concentration coursework (consult instructor). Course Fee: \$250. Three - twelve hours.

#### **481. International Research Internship in Community Development**

This course gives students the opportunity to apply the theory, techniques, and research methods of their coursework by working in the context of less developed regions in an international context. Department faculty work with students to design and implement research projects related to the students' concentration interest. Students typically conduct their internship by working under the auspices of a Christian organization ministering in a less developed community overseas. The internship takes place after the students' junior year, during the summer and/or the first semester of the senior year. Internships may be taken for 3-12 credits, but only three credits may be used towards meeting the requirements for the major, any additional credits serving as electives towards graduation. Students take a series of Priesthill Center assessments as part of this course and missed appointments will result in billing for the cost of the appointment. Prerequisites: CDV 210, 300, 310, 460, and the completion of appropriate concentration coursework (consult instructor). Course fee: \$250. Three - twelve hours.

#### **490. Senior Seminar in Community Development**

This course provides a capstone to the major and is designed to help students to reflect on their foundational and sectoral coursework and their research internships. Various exercises and readings will be used to help students to integrate the wide range of concepts developed throughout the major. Students will present their Senior Integration Papers (SIP). Constructive criticism from peers and faculty will enable students to sharpen their ideas and to produce higher quality research papers and SIPs. Prerequisites: CDV 480 or 481, and senior-level standing. Three hours. 'S'

#### **492. Senior Integration Paper in Community Development**

See page 26.

#### **499. Independent Study**

Directed studies in economics topics for juniors and seniors. Students must develop a course proposal and obtain formal agreement from a department faculty member. Three hours.

## **Economics Courses**

#### **201. Principles of Macroeconomics**

An introduction to the major problems facing national economies: inflation, unemployment, growth, and poverty. The roles of fiscal, monetary, and other government policies will be examined. Considerable time will be spent presenting basic economic concepts, institutions, tools, and methodologies in order to prepare students for future economics courses. Christian perspectives on mankind's

stewardship responsibilities will be explored. Prerequisites: ECO 202, MAT 141. Three hours.

#### **202. Principles of Microeconomics**

An introduction to the behavior of individual consumers and businesses. Topics include human motivation, the role of prices, perfect and imperfect competition, supply and demand, market outcomes, government intervention, and selected applications. Christian perspectives on the nature of mankind, market outcomes, the role of government, and the presuppositions of modern economic analysis will be explored. Prerequisite: MAT 141. Four hours. SS

#### **301. Intermediate Macroeconomics**

A detailed examination of the determinants of national income, prices, unemployment, interest rates, and growth. Models are developed which enable students to explore the interaction of aggregate supply with aggregate demand, the latter consisting of expenditures by households, businesses, and governments. The impacts of monetary and fiscal policies are explored in depth. Christian perspectives on the role of government in achieving national objectives will be examined. Prerequisites: ECO 201, 202. Three hours.

#### **302. Intermediate Microeconomics**

An in-depth examination of the theories of consumer and producer behavior. The core of the course material provides a theoretical treatment of supply and demand and their implications for market outcomes. Topics include market efficiency, market failures, imperfect information, strategic behavior, externalities, and selected applications. A detailed analysis of the presuppositions of modern economic analysis will be explored from a Christian perspective. Prerequisites: ECO 201, 202. Three hours.

#### **310. Public Finance**

This course examines the public sector and its policy process including voting models, expenditure, insurance programs, and taxation principles. Special attention is given to taxation, government borrowing, Social Security, health care, and welfare issues. Biblical perspectives on the role of the state will be explored. Prerequisites: ECO 201, 202. Three hours.

#### **320. History of Economic Thought**

This course provides an examination of the intellectual, philosophical, and institutional background of modern economic thinking beginning in the ancient world and continuing to the present. Special attention is given to the foundations of the classical school of economic thought and the subsequent mainstream of economic thinking as well as to multiple alternative voices. Different economic perspectives are examined in light of biblically reformed principles. Prerequisites: ECO 201, 202. Three hours. 'W'

### **330. Industrial Organization**

Standard economic theory assumes perfect competition in which firms respond only to market signals such as price. Such markets may, however, be the exception rather than the norm. This course examines various structures of markets, the behavior of firms and the strategic interaction of participants within markets. This course will develop and build upon a foundation of game theory. Prerequisites: ECO 201, 202. Three hours.

### **400. International Economics**

A course examining the basic international trade and financial relationships between countries. Topics in the trade portion of the course include: the determination of the pattern of trade, the impacts of tariffs and quotas, gains from trade, the role of imperfect competition, the structure of the international trading system. Topics in the finance portion include: exchange rate determination, the impact of exchange rates on unemployment and inflation, and the role of government monetary and fiscal policy. A Christian critique of nationalism in international economic affairs will be emphasized. Prerequisites: ECO 201, 202. Three hours.

### **405. Money and Banking**

A course examining the structure of financial institutions and their role in creating money and offering financial services. Topics include: the Federal Reserve System, the techniques of central banks, financial instruments, principles of finance, and the relationship of money and credit to key macroeconomic variables such as inflation, unemployment, and output. Biblical principles of money and finance will be explored. Prerequisites: MAT 144; ECO 201, 202. Three hours.

### **410. Third World Economic Development**

A course exploring the basic theories of poverty in Third World countries and examining the policies which have been pursued to alleviate that poverty. Topics covered include: the role of agriculture, the process of industrialization, physical and human capital accumulation, growth and equity, trade policies, international capital flows, the World Bank, and the role of institutions. In addition, the basic presuppositions of mainstream development efforts will be highlighted and critiqued from a Christian perspective. Prerequisites: ECO 201, 202. Three hours.

### **420. U.S. Urban Poverty**

A course exploring the causes of poverty in U.S. urban centers and policies to alleviate that poverty. The impacts of technological change, discrimination, institutions, globalization, and values on poverty will be examined. The effects of welfare, educational programs, affirmative action, and other public policies will be explored. Practical tools for urban development will be presented. Particular emphasis will be placed on the presuppositions and historical

experiences of government efforts to alleviate urban poverty. Prerequisites: ECO 201, 202. Three hours.

### **430. Labor Economics**

This course covers the basic issues regarding the supply and demand for labor. Topics include wage determination, the role of human capital, labor unions, discrimination, segmented labor markets, employee compensation mechanisms, U.S. labor laws, and employer-employee relations. Emphasis will be placed on laborers as imagebearers of God rather than as mere inputs into the production process. Prerequisites: ECO 201, 202. Three hours.

### **443. U.S. Microeconomic Development Methods**

A course examining various methods to enable the poor to support themselves via their own work. Emphasis will be placed on holistic methods that are faith-based and/or church-centered. Topics include: microenterprise development, asset accumulation strategies, financial literacy programs, jobs-preparedness training, housing, program design and implementation. Prerequisites: ECO 201, 202; CDV 210. Three hours.

### **448. International Microenterprise Development**

A course exploring microenterprise programs in the context of less developed countries. Students will be introduced to the complex range of economic, social, and institutional issues facing microenterprise agencies and will be instructed in the financial, organizational, and managerial dimensions of starting and operating a microenterprise program. Emphasis will be placed on implementing microenterprise programs in the context of holistic, church-based ministries. Prerequisites: ECO 202; CDV 210. Three hours.

### **450. Health Economics**

This course examines the supply and demand for health services, the roles of different health professionals, and the relationship between health and other economic factors. Topics include the roles of insurance, professional licensure, for-profit and not-for-profit providers, regulation, government financing, and information problems in health care markets. Emphasis will be given to international comparisons of health care spending and outcomes as well as healthcare in developing countries. Prerequisites: ECO 201, 202. Three hours.

### **465. Econometrics I**

A course in the essential tools of statistical analysis which are employed by economists. The basics of bivariate and multivariate regression will be covered, and students will be taught to use computer software for data preparation and analysis. Emphasis will be placed on formulating testable economic hypotheses and on designing a research project in preparation for Econometrics II. Prerequisites: STA 251, ECO 201 and 202. Three hours.

**466. Econometrics II**

A sequel to Econometrics I, this course introduces students to more advanced topics in statistical analysis and guides them through a major empirical research project. Topics covered will include: misspecification, hetero-skedasticity, multicollinearity, and simultaneity. Proficiency in using statistical software will be emphasized. Students will complete the research project designed in Econometrics I by writing a major, empirical research paper in which they test economic hypotheses. Prerequisite: ECO 465. Three hours.

**490. Independent Study**

Directed studies in economics topics for juniors and seniors. Students must develop a course proposal and obtain formal agreement from a department faculty member. Three hours.

**492. Senior Integration Project in Economics**

See page 26. 'S'

**499. Special Topics**

Topics will be chosen by the professor. Prerequisite: open to Economics majors and minors with junior or senior standing and to others with the permission of the instructor. ECO 201, 202. Three hours.