

Lists of Application Supporting Courses

Major: B.S., Artificial Intelligence Methods and Applications

(At least 9 credits; at least 3 credits must be at the 300- or 400-level; up to 6 credits of ROTC)

It is required that students choose a focus area and take a sequence of courses from the chosen focus area.

PSYCH Focus:

PSYCH 100 Introductory Psychology
PSYCH 212 Introduction to Developmental Psychology
PSYCH 221 Introduction to Social Psychology
PSYCH 253 Introduction to Psychology of Perception
PSYCH 260 Neurological Bases of Human Behavior
PSYCH 413 Cognitive Development
PSYCH 425 Psychology of Human Emotion
PSYCH 426 Language and Thought
PSYCH 451 Psychology of Action
PSYCH 452 Learning and Memory
PSYCH 455 Cognitive Psychology
PSYCH 458 Visual Cognition

PHIL Focus:

PHIL 404 (new) Seminar in the Ethics of Artificial Intelligence
PHIL 103 Ethics
PHIL 107 Philosophy of Technology
PHIL 110 Philosophy of Science
PHIL 125 Intro to Theories of Knowledge
PHIL 127 Philosophy of Mind
PHIL 131 BS: Identifying Bias and Falsehood
PHIL 416 Philosophy of Social Science
PHIL 418 Seminar in Ethical Theory
PHIL 427 Seminar in Philosophy of Mind
PHIL 433 Ethics in Science and Engineering

Agricultural Sciences Focus:

AGBM 101: Economic principles of agribusiness decision making.
AGBM 200: Introduction to agribusiness management
AGBM 445: AgTech Entrepreneurship
AEE 216: Practical Parliamentary Procedure
CED 102N: Wicked Problems: What's the Right Thing to Do?
CED 160: Introduction to Ethics and Issues in Agriculture
VBSC 340: Introduction to Human and Veterinary Public Health
VBSC 418: Bacterial Pathogenesis
VBSC 433: Molecular and Cellular Toxicology
VBSC 435: Viral Pathogenesis
VBSC 444: Epidemiology of Infectious Diseases
VBSC 455: One Health
VBSC 485: Human Genomics and Biomedical Informatics

ETI Focus:

IST 256 Programming for the Web
IST/ETI 301 Information and Organizations
IST/ETI 302 IT Project Management
ETI 300W Development and Documentation of Enterprise Web
IST 435 Enterprise Analytics
ETI 461 Database Management and Administration

AI and National Security Focus:

PLSC 14 International Relations
PLSC 290N Comparative Violence: Political and Criminological Perspectives
PLSC 408 Democracy and Its Impacts
PLSC 410 Strategy and Politics
PLSC 418 or 418W: International Relations Theory
PLSC 420 State Making
PLSC 437 War in World Politics
PLSC 438 National Security Policies
PLSC 483 Seminar in National Security Policy
PLSC 439 The Politics of Terrorism
PLSC 440 Globalization and Its Implications
PLSC 449 Psychology of Terrorism
PLSC 467 International Relations of the Middle East
PLSC 478 China and the World
PLSC 479 Nuclear Weapons in International Relations
PLSC 491 Peace and Conflict Studies Seminar

Business Fundamentals Focus at University Park Campus:

ECON 102 Introductory Microeconomic Analysis and Policy
ACCTG 211 Financial and Managerial Accounting for Decision Making
BA 301 Finance
BA 302 Supply Chains
BA 303 Marketing
BA 304 Management and Organization
BLAW 243 Legal Environment of Business
IB 303 International Business Operations

Business Fundamentals Focus at Commonwealth Campuses:

ECON 102 Introductory Microeconomic Analysis and Policy
ACCTG 211 Financial and Managerial Accounting for Decision Making
FIN 301 Corporate Finance
SCM 301 Supply Chain Management
MKTG 301 Principles of Marketing
MGMT 301 Basic Management Concepts
BLAW 243 Legal Environment of Business OR (BA 241 Legal Environment of Business
AND BA 242 Social and Ethical Environment of Business)

Health Policy and Administration Focus:

HPA 101 Introduction to Health Services Organization
HPA 200 An Introduction to Data in the Health Care System
HPA 210 Health Care Payment
HPA 211 Financial Decisions in Health Care Organizations
HPA 301 Health Services Policy Issues
HPA 311 Population Health and Healthcare
HPA 332 Health Systems Management
HPA 470 Health Care Information Management
HPA 410 Principles of Public Health Administration
HPA 445 Health Economics
HPA 450 Healthcare Policies and Politics
HPA 470 Health Care Information Management

Nutritional Sciences Focus:

NUTR 100 Nutrition Applications for a Healthy Lifestyle
NUTR 119 Elementary Foods
NUTR 291N Drugs and Nutrition: Social and Scientific Interactions
NUTR 358 Assessment of Nutritional Status
NUTR 360 Nutrition Education and Behavior Change Theory
NUTR 251 Introductory Principles of Nutrition
NUTR 407 Nutrition for Exercise and Sports
NUTR 487 Advanced Performance Nutrition

Human Development and Family Studies Focus:

HDFS 129 Introduction to Human Development and Family Studies

HDFS 200 Quantitative Skills for Human Services

HDFS 215N Global Health and Families

HDFS 216 Personal and Interpersonal Skills

HDFS 210 Ethnicity, Health and Aging

HDFS 249N Adult Development and Aging

HDFS 434 Perspectives on Aging

HDFS 447 Issues in Gerontology

HDFS 492 Palliative Care and Bereavement

ROTC Focus:

AIR

ARMY

NAVSC