

Administrative and Managerial Sciences

The certificates administered by the Administrative and Managerial Sciences Program have been reorganized.

For the M.B.A. Preparatory Studies Certificate and the Management Science Certificate, see Information Systems.

For the Personnel and Industrial Psychology Certificate, see Psychology.

For the Public Administration and Policy Certificate, see Political Science.

DIRECTOR, ACCOUNTING PROGRAM

Marcia Agee Croteau
Financial accounting and auditing

Specialty courses in this program are listed under ECON and ECAC.

The Preprofessional Studies in Accounting certificate, the Finance certificate and the Information Systems Auditing certificate are described below:

Students may work toward certificates in:

- Preprofessional Studies in Accounting
- Finance
- Auditing for Information Systems

This certificate program is designed to supplement a liberal arts or science major; certificates must be earned concurrent with an undergraduate major. Each certificate requires completion of a core curriculum and additional courses. A minimum grade of "C" is required in all courses. At least 30 credits must be taken at UMBC. The finance

certificate may not be earned by students earning the financial economics degree.

Academic Advising

Students should consult an advisor in their major for graduation requirements. Advising on accounting, finance and AIS certificates is available through the director of accounting in the economics department.

Certificate in Finance (46 credits)

A. Core Curriculum (15 credits)

ECON 101
Principles of Microeconomics

ECON 102
Principles of Macroeconomics

ECON 121
Principles of Accounting I

ECON 122
Principles of Accounting II

ENGL 391
Intermediate Exposition

OR

ENGL 393
Technical Writing

B. Skills Courses (19 credits)

ECON 301
Intermediate Accounting I

ECON 311
Intermediate Microeconomics

ECON 374
Fundamentals of Financial Management

STAT 351
Applied Statistics for Business and Economics

OR

STAT 355
Introduction to Probability and Statistics for Scientists and Engineers

One of the following:

ECON 320
Elements of Quantitative Methods for Management

OR

ECON 421
Introduction to Econometrics

OR

325
Introduction to Management Science

OR

MATH 381
Linear Methods in Operations Research

OR

STAT 454
Applied Statistics

IS 101 or IS 295*

Note: if you have any experience with Microsoft Excel, take IS 295.

C. Finance Concentration:

Four of the following courses (12 credits)

ECON 302
Intermediate Accounting II

ECON 423
Economic Forecasting

ECON 471
Money and Capital Markets

ECON 474
Cases in Corporate Finance

ECON 475
Financial Investment Analysis

ECON 476
Portfolio Analysis and Management

ECON 477
Analysis of Derivatives

ECON 478
Real Estate Economics and Finance

ECON 482
International Finance

Note: ECON 410 courses noted as being an elective for the FIEC major may also be included as one of these four courses.

Note: HAPP majors may use HAPP 498 for one of the four courses.

Note: Financial economics majors may not also earn the finance certificate.

Preprofessional Studies in Accounting (58 credits)

This program is designed to fulfill coursework entry requirements of a graduate program in accounting or taxation. The curriculum and additional courses taken to 150 credits will allow the student to sit for the CPA exam in Maryland. Students who choose not to pursue the CPA exam immediately will have fulfilled the requirements to take exams for the Certified Management Accountant designation.

Certificate in Accounting (49 credits)

A. Accounting Courses (27 credits)

ECON 121
Principles of Accounting I

ECON 122
Principles of Accounting II

ECON 301
Intermediate Accounting I

ECON 302
Intermediate Accounting II

ECAC 321
Auditing Theory and Practice

ECAC 329
Cost Accounting

ECAC 330
Taxation

ECAC 401
Advanced Accounting

AND one elective from the following:

ECAC 317
Accounting Information Systems

ECAC 351
Advanced Cost Accounting

ECAC 420
Information Systems Auditing

B. Business Related Courses (22 credits)

ECON 101
Principles of Microeconomics

ECON 102
Principles of Macroeconomics

ECON 374
Fundamentals of Financial Management

STAT 351
Applied Statistics for Business and Economics

OR

STAT 355
Introduction to Probability and Statistics for Scientists and Engineers

ECAD 210
The Practice of Management

OR

ECAD 489
Seminar in Management and Administration

ECAD 360
Business Law

AND one elective from the following:

ECON 320
Elements of Quantitative Methods

ECON 408
Managerial Economics

ECON 471
Money and Capital Markets

ECON 482
International Finance

ECAD 425
Marketing

ECAD 489
Seminar in Management and Administration (if not used above)

IS 325
Management Science

TRANS
Business Communications (if transferred in)

C. And one Ethics Course

ECAD 385
Business Ethics and Society

OR

PHIL 399 B
Business Ethics

OR

PHIL 350
Ethical Theory

Auditing for Information Systems (27 credit hours)

The objective of this program is to prepare the student for entry positions in the IT audit field and for certification as an information systems auditor. While open to all majors, the target audience is the BTA or IS major who is interested in the accounting and auditing field, and the ECON or FIEC major who is completing the accounting certificate. The interdisciplinary combination of information technology knowledge and accounting and auditing skills will provide the student a competitive advantage in this growing field upon their graduation.

Note: This is an upper-division certificate. Prerequisites to the courses listed will be required.

IS 300
Management of Information Systems

IS 350
Business Communication Systems

IS 430
Information Systems and Security

ECON 301
Intermediate Accounting I

IS/ECAC 317
Accounting Information Systems

ECAC 321
Auditing Theory and Practice

IS474 or ECAD 360
Legal Aspects of Information Systems or Business Law

IS 304 or ECAD 385
Ethical Issues in Information Systems or Business Ethics

IS417/ECAC 420
Information Systems Auditing