Forensic and Fraud Examination, M.S.

Degree Offered
• Master of Science in Forensic and Fraud Examination

Certificate Offered
• Forensic Accounting and Fraud Examination

Nature of the Program
The 30 credit-hour online program is comprised of a core curriculum of forensic and fraud examination classes centered on data analytics for success in this career path. Students complete an intensive 12-month program with online classes and two required residencies. The core curriculum is paired with a focused selection of online MBA courses to create a well-balanced approach to the field. Courses build throughout the program to incorporate previously acquired skills and allow students to immediately put those skills to use through hands-on experiential learning. During the first residency, students will evaluate a simulated crime scene to collect electronic and paper financial evidence and make a pitch to a prosecutor as to whether or not an indictment should be pursued. In the second residency, students will concentrate on the detection of deception during an interview and testify as expert witnesses in moot court. Content incorporates auditing, information technology, financial, and managerial accounting, etc. particularly as these topics interface with forensic and fraud examination material.

Academic Standards
In addition to the University’s academic and professional standards (http://catalog.wvu.edu/graduate/enrollmentandregistration/), students enrolled in a John Chambers College of Business and Economics master’s degree program must also abide by the following standards:

• Students must have a minimum cumulative GPA of 3.0 to earn a degree from their graduate program, without exception.
  • A student who cannot mathematically meet the 3.0 GPA requirement to successfully complete the degree, within a reasonable period of time (as defined by the Program Coordinator or designee), will be dismissed from their academic program. Visit the Probation, Suspension, and Dismissal (http://catalog.wvu.edu/graduate/enrollmentandregistration/#probationsuspensiontext) section of the University’s Graduate Catalog for more information about this topic.
  • Students must follow the professional standards established by their degree program and/or department. A student who violates the established professional standards may be placed on probation, suspended, or dismissed from their program.
  • A student whose cumulative GPA falls below 2.75 will automatically be placed on academic probation.
    • A student will be suspended from their program, for up to one year, if their GPA is not raised to 2.75 by the end of their subsequent semester of enrollment. The program will reevaluate the student after the term of suspension to determine whether they may return to the program or be dismissed.
    • A student will be suspended from their program if they earn a letter grade below C- in more than one required course.
    • A student who earns a letter grade of D or F in any required course must repeat the course and earn a minimum letter grade of C-.
  • Any grade earned in a repeated course at the graduate level is included in the calculation of a student’s overall and major GPA, along with the original grade earned in the course. Additionally, the original grade earned in the course will remain on the student’s academic transcript/permanent record. Visit the Grades (http://catalog.wvu.edu/graduate/advisingcoursedegrees/advising_and_evaluation/#gradestext) section of the University Graduate Catalog for more information about this topic.

Any exceptions to the above standards must be approved in writing by the Associate Dean for Graduate Programs and Global Engagement and the Program Coordinator.

Admissions
To gain admission to the M.S. in FFE or FAFE Certificate programs, an applicant must have a bachelor’s degree from an accredited institution. Admissions decisions are based on an assessment of expected success in the program shown by the application materials and according to space available. Each applicant must submit the following as part of their application:

• Academic transcript(s) of all prior academic work
  • A minimum GPA of 2.9 is required for admission to this program
• Statement of purpose - A short essay in which an applicant reflects on the expected contribution of the MS in FFE degree (or FAFE Certificate) to the applicant’s future and the special characteristics that the applicant brings to the program. We are interested in value-added experiences, both from the program to the student and from the individual student to the program.
• Current resume - Applicants round out their profile with other evidence provided in their resume. The resume should include enough information for the admissions committee to trace the applicant’s entire professional work history and should indicate any relevant affiliations.
The Admissions Committee reviews applications on a rolling basis, and students admitted to the program may begin in the fall, spring, or summer semester. Please visit the MS in FFE program's webpage (https://business.wvu.edu/academics/accounting-department/forensic-and-fraud-examination/) to learn more about the specific application deadlines and other important information. Students may also contact the John Chambers College of Business and Economics Graduate Programs Office for assistance at (304) 293-5505 or BeGradPrograms@mail.wvu.edu.

**Prerequisite Courses**

- ACCT 201 Principles of Accounting 1
- ACCT 311 Intermediate Accounting
- ACCT 322 Accounting Systems
- ACCT 451 Auditing Theory

The prerequisites may be taken at any accredited institution of higher education including online courses. Two years of related professional experience may be substituted for the prerequisite courses. The Admissions Committee will assess prior experience.

**International Students**

International students who are required to take the TOEFL (Test of English as a Foreign Language) examination should note that the Department of Accounting requires a minimum of 250 (computer scoring) or 600 (paper scoring).

Major Code: 2158

Students are required to maintain a minimum cumulative GPA of 3.0 in coursework applied toward their degree program, as outlined in the academic program of study. Students must also have a minimum cumulative GPA of 3.0 to earn a graduate degree from this program.

**Forensic and Fraud Examination Master of Science Requirements**

Overall 3.0 GPA required.

Minimum grade of C required in all courses applied toward the degree.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ACCT 580</td>
<td>Accounting for Forensic and Fraud Investigators</td>
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<td>ACCT 581</td>
<td>Fraud Investigation</td>
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<tr>
<td>ACCT 582</td>
<td>Fraud Data Analysis</td>
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<tr>
<td>BADM 621</td>
<td>Business Research</td>
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<td>BADM 641</td>
<td>Decision Analysis for Executives</td>
<td>3</td>
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<tr>
<td>BADM 622</td>
<td>Financial Statements Analysis</td>
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<td>ACCT 585</td>
<td>Forensic and Fraud Examination Advanced Analytical Techniques</td>
<td>3</td>
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<td>BADM 644</td>
<td>Legal Environment and Ethics</td>
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<td>ACCT 583</td>
<td>Fraud: Criminology/Legal Issues</td>
<td>3</td>
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<tr>
<td>ACCT 584</td>
<td>Advanced Fraud Investigation</td>
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<td>Total Hours</td>
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**SUGGESTED PLAN OF STUDY**

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<th>Third Semester</th>
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<td>ACCT 583</td>
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<tr>
<td>ACCT 584</td>
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### Major Learning Outcomes

**FORENSIC AND FRAUD EXAMINATION**

After completing the program, graduates will be able to:

- Discuss the impact of legal, societal, and ethical considerations on business decision-making and strategic planning in forensic and fraud examination, and how civil litigation and fraud interact with and impact the global economy.
- Explain how money laundering schemes and policies influence organizations around the world from a microeconomic perspective, and how these issues affect economic profitability and success.
- Evaluate financial reports focusing on fraudulent financial statements and the associated nuances regarding fraud examination.
- Evaluate evidentiary material associated with asset misappropriation (i.e., theft of assets) and complete fraud examinations that meet judicial standards of investigation.
- Complete examination of facts and circumstances associated with fraud acts and other financial violations of the law with the goal of remediating those issues based on investigative outcomes.
- Discuss and apply the various investigative tools in forensic and fraud examination across different industries.
- Develop an analytical skill set including the utilization of electronic techniques and data mining software used to assist forensic professionals and fraud examiners in developing litigation.
- Develop anti-fraud knowledge, skills, and abilities that address the issues of prevention, deterrence, and detections of financial shenanigans.

### COURSES

**ACCT 501. Accounting/Economic Decision Making. 3 Hours.**
PR: Admission into the MAcc program. This course exposes students to the theory and application within the accounting profession of the topics of corporate governance, economic theory, financial management, cost accounting, and strategic planning, particularly as it relates to decision making.

**ACCT 511. Financial Accounting Theory and Practice. 3 Hours.**
PR: Consent. Comprehensive examination of financial accounting theory as established by the opinions, statements and interpretation of professional organizations with special emphasis on their application and problem solving.

**ACCT 512. Mergers and Acquisitions. 3 Hours.**

**ACCT 520. Advanced Technology for Accounting. 3 Hours.**
The materials that will be covered are applicable to external auditing, internal auditing, financial accounting, and forensic accounting. The course covers the use of technology in matters related to the efficiency and effectiveness of the audit. Also covered is the use of technology in the accounting function since this function provides the source data and information for any audit.

**ACCT 521. Information Technology Auditing. 3 Hours.**
PR: Consent. Information technology auditing techniques, issues, and current topics, including risk assessment, general and application control testing, computer assisted audit tools and techniques, and testing of databases and local area networks.

**ACCT 522. Electronic Commerce and Internet Security. 3 Hours.**
PR: Consent. Electronic commerce business models. Real options evaluations, accounting distinctions, and case analysis of Web-based business models, with emphasis on the Internet security risks to the integrity of financial information.

**ACCT 541. Federal Tax Research and Writing. 3 Hours.**
PR: Consent. Study of federal tax authorities and hierarchy, the research resources available, development of federal tax research and writing skills, and the application thereof.

**ACCT 542. Advanced Federal Corporate Tax. 3 Hours.**
PR: ACCT 441 with a minimum grade of C- and ACCT 442 with a minimum grade of D- or consent. An advanced study of federal income taxation for corporations and shareholders, including: corporate operations, corporate formation and capital structure, distributions to shareholders, acquisitions and liquidations, and reorganizations.

**ACCT 543. Advanced Federal Partnership Tax. 3 Hours.**
PR: ACCT 441 with a minimum grade of C- and ACCT 442 with a minimum grade of D- or consent. An in depth study of federal income taxation for business entities taxed as partnerships as well as a comparative study of the taxation of other flow-through entities. Specific topics include: partnership tax operations, tax partnership formations and capital structure, distributions to partners, special allocations, and a comparative analysis of partnerships and non-partnership flow-through entities.
ACCT 551. Assurance Services and Professional Standards. 3 Hours.
PR: Consent. Professional objectives, principles, and standards for assurance services, including risk assessment, attestation reports, and related communications. Case studies covering sampling, professional ethics, legal liability and reporting.

ACCT 556. Fraud Detection and Deterrence. 3 Hours.
PR: Restricted to MPA Students. The auditor's responsibility with respect to fraud detection and investigation and management's responsibility for fraud deterrence and implementation of effective prevention measures. Identification, analysis and examination of fraud using actual and simulated data.

ACCT 561. Governmental and Not-for-Profit Accounting. 3 Hours.
PR: Consent. Theory and practice of accounting for governmental and not-for-profit entities with an emphasis on the conceptual foundation of fund accounting, budgetary control and accountability.

ACCT 571. Accounting/Business Consulting. 3 Hours.
PR: Consent. Translating complex information into critical knowledge for engagements beyond basic financial/managerial accounting, assurance, and tax services. Consulting experience examined through exposure to consulting professionals, cases and/or a business simulation.

ACCT 580. Accounting for Forensic and Fraud Investigators. 3 Hours.
A basic introduction to financial and managerial accounting, auditing, and technology applicable to accounting, and the relationship of those areas with forensic accounting and fraud examination.

ACCT 581. Fraud Investigation. 3 Hours.
PR: Restricted to FAFI students. Types of fraud, documents, sources of evidence, and analysis of internal and external fraud schemes with an emphasis on the skills needed to identify and investigate fraud.

ACCT 582. Fraud Data Analysis. 3 Hours.
PR: Restricted to FAFI students. Computer-aided data analysis techniques for detecting and investigating fraud cases, issues related to the collection and use of digital evidence, and collection of data from electronic devices.

ACCT 583. Fraud: Criminology/Legal Issues. 3 Hours.
PR: Consent. Theories of criminal behavior, laws, rules of evidence, rights of persons under interrogation and interviewing, report writing and ethics, as these topics relate to forensic accounting with a focus on the behavioral aspects of fraud.

ACCT 584. Advanced Fraud Investigation. 3 Hours.
PR: ACCT 581 and ACCT 582. Major fraud case investigation with an emphasis on forensic and litigation support aspects, including presentation of cases in moot court setting.

ACCT 585. Forensic and Fraud Examination Advanced Analytical Techniques. 3 Hours.
PR: ACCT 580. An examination and use of advanced analytical techniques with respect to three forensic accounting and fraud examination special topics: civil litigation support and damage claims, valuations and financial statement fraud.

ACCT 586. Private Company Valuation. 3 Hours.
PR: ACCT 580 or ACCT 581 with a minimum grade of B-. This course provides students with the fundamental knowledge and skills needed to complete private company valuations.

ACCT 591. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

ACCT 592. Directed Study. 1-6 Hours.
Directed study, reading, and/or research.

ACCT 593. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

ACCT 594. Seminar. 1-6 Hours.
Special seminars arranged for advanced graduate students.

ACCT 595. Independent Study. 1-9 Hours.
Faculty supervised study of topics not available through regular course offerings.

ACCT 691. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

ACCT 692. Directed Study. 1-6 Hours.
Directed study, reading, and/or research.

ACCT 693. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

ACCT 694. Seminar. 1-6 Hours.
Special seminars arranged for advanced graduate students.

ACCT 695. Independent Study. 1-9 Hours.
Faculty supervised study of topics not available through regular course offerings.
ACCT 696. Graduate Seminar. 1-3 Hours.
PR: Consent. Each graduate student will present at least one seminar to the assembled faculty and graduate student body of his or her program.

ACCT 697. Research. 1-9 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading may be S/U).

ACCT 698. Thesis or Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations (798). Grading is normal.

ACCT 699. Graduate Colloquium. 1-6 Hours.
PR: Consent. For graduate students not seeking coursework credit but who wish to meet residency requirements, use the University's facilities, and participate in its academic and cultural programs. Note: Graduate students who are not actively involved in coursework or research are entitled, through enrollment in their department's 699/799 Graduate Colloquium to consult with graduate faculty, participate in both formal and informal academic activities sponsored by their program, and retain all of the rights and privileges of duly enrolled students. Grading is P/F; colloquium credit may not be counted against credit requirements for masters programs. Registration for one credit of 699/799 graduate colloquium satisfies the University requirement of registration in the semester in which graduation occurs.

ACCT 710. Accounting Research Methods Seminar. 3 Hours.
PR: Accounting PhD Status. An introduction to common topics, theories, and methods used in the production of accounting research. We will consider both "classic" and "cutting edge" work from a variety of domains (i.e., auditing, financial, tax) and methodologies (i.e., archival, experimental). We will also consider a variety of other academic issues that are critical to your professional development.

ACCT 711. Behavioral Accounting Research. 3 Hours.
This is a doctoral-level course designed to familiarize students to various behavioral topics within the accounting literature. The goal of the course is to survey some of the major theories, issues, and empirical findings within the behavioral-accounting literature. This approach is designed to build a foundation upon which the student may consider their own areas of research.

ACCT 712. Archival Accounting Research. 3 Hours.
PR: Admission to PhD program and STAT 511. This doctoral-level course is designed to familiarize students to various capital markets topics within the accounting literature. The goal of the course is to survey some of the major theories, issues, and empirical findings within the archival literature. This approach is designed to build a foundation upon which the student may consider their own areas of interest.

ACCT 713. Forensic Accounting and Fraud Examination. 3 Hours.
This course familiarizes students with various special topics as it relates to forensic accounting and fraud examination. It surveys some of the major theories, issues, and empirical findings within and without the accounting literature.

ACCT 793. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

ACCT 795. Independent Study. 1-9 Hours.
Faculty-supervised study of topics not available through regular course offerings.

ACCT 797. Research. 1-9 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading will be S/U).