The Bachelor of Science degree in Safety Technology offers students the opportunity of preparing for entry-level positions in industry, governmental agencies, and related service industries. The degree for Safety Professionals has expanded due to Federal and State legislation governing safety and health in the workplace and an increase in public awareness of safety and health factors. The safety profession is an occupational field concerned with the preservation of both human and material resources through the application of various principles drawn from such disciplines as engineering, education, psychology, physiology, enforcement, hygiene, health, physics and management. "Safety Science" is a term for everything that goes into the prevention of accidents, illnesses, fires, explosions and other events which damage people, property and the environment.

**Major Information**

- The mathematics a student must take will depend upon several factors such as the student’s ACT score and mathematics proficiency. It is very important to talk to your advisor in selecting courses.
- Safety Electives: student must select 9 hours from the following: SFT 453, 458, 480–483, 485–488, SFT 491–494, SFT 497, or BSC 250.
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- Safety Electives: student must select 9 hours from the following: SFT 453, 458, 480–483, 485–488, SFT 491–494, SFT 497, or BSC 250.
- A minimum of 120 hours is required for graduation.
- Because the B.S. degree is an accredited program by ASAC/ABET, students must be able to demonstrate “proficiency” in the areas of mathematics and statistics; chemistry, physics, and sciences; communication studies; psychology and physiology, and major field of study. To demonstrate proficiency in the areas, a grade no less than a C is required. Courses in the areas of proficiency listed above cannot be completed under the CR/NC course option.
- Course offerings and course attributes are subject to change semesters. Please consult each semester’s schedule of courses for availability and attributes.
- Students are required to know and track their degree requirements for graduation or for entrance to a professional school.

**Courses Required for the Major**

- **Core Curriculum**
  - All Safety Technology majors are required to take the following courses:
  - **Core 1: Critical Thinking**
    - FYS 100 First Year Sem in Critical Thinking (CT,I)
    - SFT 235 Critical Thinking Course
    - TOTAL HOURS 9
  - **Core 2: Area of Emphasis**
    - MTH 122 Plane Trigonometry (or MTH 132 or MTH 229)
    - CHM 211 Prin of Chemistry I
    - PHY 201 College Physics I
    - PHY 202 College Physics II
    - TOTAL HOURS 14
  - **Major Specific**
    - All Safety Technology majors are required to take the following courses:
    - **Year One**
      - CHM 211 Prin of Chemistry I
      - PHY 201 College Physics I
      - SFT 373R Intro to Safety (CT,I)
      - TOTAL HOURS 16
    - **Year Two**
      - CHM 212 Prin of Chemistry II
      - PHY 202 College Physics II
      - SFT 373L Intro to Industrial Health
      - TOTAL HOURS 14
    - **Year Three**
      - CHM 213L Prin of Chemistry III
      - PHY 203 College Physics III
      - SFT 373N Intro to Industrial Health
      - TOTAL HOURS 14
    - **Year Four**
      - CHM 214L Prin of Chemistry IV
      - PHY 204 College Physics IV
      - SFT 373O Intro to Industrial Health
      - TOTAL HOURS 14

**Curriculum Plan**

- **Core Requirement**
  - All Safety Technology majors are required to take the following courses:
- **General Education Requirement**
  - A minimum of 120 hours is required for graduation.
- **College Requirement**
  - Additional University Requirements
- **Special Requirement**
  - All Safety Technology majors are required to take the following courses:
- **Milestone Course:** This is a key success marker for your major. See your advisor to discuss importance of this course in your plan of study.

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**College of Information Technology and Engineering**

**Major Information**

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SAFETY TECHNOLOGY – 2019-2020

YEAR ONE

Have questions? Need to talk? You already have a Friend at Marshall ready to help you succeed. Find your FAM Peer Mentor here: www.marshall.edu/fam

Stay on the Hard Path and come to class! Class attendance is more important to your success than your high school GPA, your class standing, or your ACT/SAT scores.

In order to graduate on time, you need to take an average of 15 credits per semester. Are you on track? Take 15 to Finish!

Take a Community Based Learning (CBL) class that connects course content to the community. Stay engaged and make a difference.

Are you completing enough credits to graduate on time? Dropping or failing a class can put you behind. Use summer terms to quickly get back on track.

Attending an intercollegiate festival or event on campus or in town.

YEAR TWO

Complete your physics sequence to meet your prerequisites for Safety courses next year.

Join the Marshall Mentor Network and connect with professionals in your field to discuss your major, career path, and more.

Meet with a career education specialist to conduct a “gap analysis.” Figure out the skills you’ll need for the career you want while you still have time to build them.

No need to wait until graduate school. Discuss undergraduate research opportunities with faculty in your major right now.

In order to work in your field, you may need to take a certification exam. Develop a study strategy now. Check with your advisor.

In order to work in your field, you may need to take a certification exam. Develop a study strategy now. Check with your advisor.

Think about who can help you grow as a student and a professional (professors, advisors, alumni, etc.) and ask at least one to be your mentor.

YEAR THREE

Develop relationships with professors who can serve as future references by attending their office hours.

Join professional associations in your field, such as the National Safety Council.

In order to work in your field, you may need to take a certification exam. Develop a study strategy now. Check with your advisor.

Your degree requires an internship. Start planning now! Meet with your advisor to discuss your internship options.

YEAR FOUR

Complete your chemistry sequence to meet your prerequisites for Safety courses next year.

Networking is key! Attend a Career Expo to seek employment opportunities and network with employers in your field.

Prepare to present at the West Virginia Undergraduate Research Day at the Capitol.

Develop relationships with professors who can serve as future references by attending their office hours.

Be at the top of your professional game! Prepare a final resume and practice your interview skills with a career coach in Career Education.

Marshall University
College of Information Technology and Engineering
1 John Marshall Drive
Huntington, WV 25755
1-304-696-5453
cite@marshall.edu
marshall.edu/cite

INVIOLMENT OPPORTUNITIES
• Student Government Association
• Campus Activity Board
• JMELI
• Commuter Student Advisory Board
• Club Sports
• Religious Organizations
• Political Organizations
• Residence Hall Association
• National Society of Leadership and Success
• Greek Life

RELATED MAJORS
• Civil Engineering
• Mechanical Engineering
• Geology
• Geography
• Computer and Information Technology
• Health Science
• Risk Management

GRADUATION REQUIREMENTS
• Have a minimum of 120 credit hours (some colleges or majors require more);
• Have an overall and Marshall Grade Point Average of 2.00 or higher;
• Have an overall Grade Point Average of 2.00 or higher in the major area of study;
• Have earned a grade of C or better in English 201 or 201 T;
• Have met all major(s) and college requirements;
• Have met the requirements of the Core Curriculum;
• Have met the residence requirements of Marshall University, including 12 hours of 300/400 level coursework in the student’s college (see section entitled “Residence Requirements” in the undergraduate catalog);
• Be enrolled at Marshall at least one semester of the senior year;
• Have transferred no more than 72 credit hours from an accredited West Virginia two-year institution of higher education.

Colleges and specific programs may have unique requirements that are more stringent than those noted above. Students are responsible for staying informed about and ensuring that they meet the requirements for graduation.

This academic map is to be used as a guide in planning your coursework toward a degree. Due to the complexities of degree programs, it is unfortunate but inevitable that an error may occur in the creation of this document. The official source of degree requirements at Marshall University is DegreeWorks available in your myMU portal. Always consult regularly with your advisor.

TRANSFERABLE SKILLS
• Research and Analytical Skills
• Numeracy
• Oral and Written Communication Skills
• Leadership Skills
• Ability to Work as Part of a Team
• Critical Thinking Skills
• Information Technology

ASSOCIATED CAREERS
• Inspector
• Certified Safety Supervisor
• Site Safety Manager
• Safety Educator
• Risk Management Director
• Health and Safety Director
• Occupational Safety Director
• Industrial Hygiene Manager
• Environmental Safety Engineer

In order to work in your field, just as American Society of Safety Professionals.