

FAILURE ANALYSIS CERTIFICATE OF ACHIEVEMENT

Advance your skill set with this certificate in failure analysis.

This comprehensive program examines practical failure analysis, with a wide range of elective courses on related topics such as component failure analysis, corrosion, fractography, mechanical testing, metallography, and inspection.

Courses are taught by ASM's industry experts through a variety of learning options. Choose in person classroom or lab courses, live virtual courses or online options to fit your schedule and budget. Earn IACET-accredited Continuing Education Units (CEUs) on all ASM courses!

FAILURE ANALYSIS CERTIFICATE OF ACHIEVEMENT

Required

- Elements of Metallurgy or Metallurgy for the Non-Metallurgist®*
- Principles of Failure Analysis

Electives

Select three of the following:

- Component Failure Analysis
- Corrosion
- Practical Fractography
- Fundamentals of Non-Destructive Testing
- Heat Treating Quality & Inspection
- How to Organize and Run a Failure Investigation
- Mechanical Testing of Metals
- Medical Device Design Validation and Failure Analysis
- Metal AM and Post Processing for Optimized Properties and Performance
- Metallography for Failure Analysis
- Scanning Electron Microscopy
- Welding Inspection and Quality Control

* Test-out option available.

Find out more about the Failure Analysis Certificate of Achievement.

For assistance with registration and help creating a personalized course plan, please contact:

440.671.3820 | 440.671.3904
professionaldevelopment@asminternational.org

As an IACET Accredited Provider, ASM International offers IACET CEUs for its learning events that comply with the ANSI/IACET Continuing Education and Training Standard.



Education



Certificate Program FAQs

Q. How long does each course of study take to complete?

A. At ASM International you spend two to four days attending each class. If you choose online it takes around 30 hours to complete. Some courses will be more in depth than others.

Q. Can I take classes online?

A. Yes. Most lecture courses are offered in an online version. Lab courses require in person learning.

Q. How can I register?

A. Please contact ASM's Education Department for assistance with registration and help creating a personalized course plan.

Q. How much does it cost?

A. Costs will vary depending upon how you complete your courses. For online students, the overall registration costs will be around \$6,000. For in person learners registration costs will be around \$11,000.

Q. Where can I find course schedules and dates?

A. Please visit our website at: asminternational.org/learning/courses

Q. Do I have to sign up for all the courses at once, or can I do one at a time?

A. A discount will be given to students who elect to purchase their program all at once. You may also elect to register for each course one at a time. However, all courses must be completed within one year of registration. A \$75 fee applies to restart any course not completed within one year. Please ask ASM's Education Department for help creating a course plan.

Q. Do all course offerings count equally towards completion requirements, regardless of how I complete them (online, in person, virtual, etc.)?

A. ASM's Digital Short courses do not apply to any certificate program but all other versions of ASM courses are recognized equally.

Q. How long do I have to complete the program?

A. The program is self-paced and there is no deadline for completion, however each course must be completed within one year of registration.

Q. Will my previously completed courses count towards completion requirements?

A. Yes. All previously completed courses will be recognized, within a reasonable amount of time.

Q. Can my classes count towards more than one certificate at a time?

A. Yes. Each class can be applied towards a certificate program as long as it satisfies a requirement.

Q. Do I have to complete the courses in a certain order?

A. No. You may work towards certificate completion in any order you wish. If you have not taken courses with ASM before, we do recommend completing Metallurgy for the Non-Metallurgist® first.

Q. Can I exchange one course for another in my program?

A. You may petition to replace one ASM course for another if it is more relevant to your job function. No exchange is guaranteed for approval. Please contact ASM's Education Department for assistance.

Q. Can I test out of any courses?

A. Yes. You may test out of Metallurgy for the Non-Metallurgist® only. You must have a minimum of a bachelors level degree in either materials science or metallurgy. Please contact ASM's Education Department to submit your transcripts and request the test out option. The cost is \$99 for members only.



Education

