



ASTM CERTIFICATE COURSE

AM Essentials for Professionals

Provides knowledge on the various practices of AM covering different process categories, terminologies, standards associated with different processes and applications, and how these standards can be utilized for developing qualification and certification.



Yokohama

Room 3011 of Kanagawa University

4-5-3 Minatomirai, Nishi-ku, Yokohama-shi, Kanagawa 220-8739



September 4-5, 2025

Thursday & Friday, 09:30 – 18:00

Opening Address:

Dr. Alex Liu

Director

Advanced Manufacturing Programs - Asia Region

ASTM International

Trainers:



Dr. Toshi-Taka Ikeshoji,
Tohoku University



Dr. Yoichiro Koga
Promethean



Mr. Andy Lu
ASTM International

Point of Contact:

Mr. Andy Lu, ASTM International

Email: alu@astm.org

Discover the latest advancements and best practices in Additive Manufacturing

Learn from industry experts from ASTM AM CoE

Earn a globally-recognized certificate from ASTM International



For more information

Scan or click on the QR code

About the course

Course Level: Beginner users

Course Language: Japanese

Course Textbook: English & Japanese Textbooks

With the industrialization of additive manufacturing (AM), there is a growing demand to fill the existing knowledge gap. ASTM International, who has been providing world-class training on AM, has launched a training course with the mission to support the scaling up of AM adoption.

Developed by AM industry experts, this course will cover core topics like:

- AM Overview & Standards
- Materials & Design
- AM Processing & Post-processing
- Destructive & Non-Destructive Evaluation

Additionally, there is an opportunity to interact and network with industry experts on the current state-of-the-art of AM technology during this course as part of the AM learning journey.

This is not a series of lectures; there will be plenty of opportunities to ask questions.

Who should attend?

Whether you're new to AM or seeking to advance your knowledge, this course welcomes all interested in gaining awareness of the latest advancements and best practices in AM.

Course fees

\$649 (Early-bird) – Register by Jun 30, 2025

\$799 (Standard) – After Jul 01, 2025

\$499 (bundle rate) – for company sending more than 3 trainees

Caution: The course may be cancelled if enrollment is low. Paid course fee will be refunded fully.



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Day 1, Sep 4	Topics
0950 – 1000	Registration
1000 – 1020	Welcome and Introduction by ASTM Director
1020 – 1120	AM Overviews, Standards <ul style="list-style-type: none"> Fundamentals of Additive Manufacturing Overview of international AM standards
1120 – 1220	Qualification and Certification <ul style="list-style-type: none"> Fundamentals of Qualification & Certification Overview of certification framework
1220 – 1320	Lunch Break
1320 – 1520	AM Materials <ul style="list-style-type: none"> Metal Powders for AM Powder storage and handling Powder reuse
1530 – 1650	AM Design <ul style="list-style-type: none"> Design for AM (DfAM) Design process CAD & Design Technologies Design Rules

Day 2, Sep 5	Topics
0940 – 1000	Recap of Day 1; Q & A Session
1000 – 1200	AM Process and Post-processing <ul style="list-style-type: none"> Process Overview Standard terminologies for AM applications Steps for post-processing DfAM for reducing post-processing
1200 – 1300	Lunch Break
1300 – 1500	Mechanical Testing for AM Materials <ul style="list-style-type: none"> Current state of standards for mechanical testing AM specific mechanical testing standards under development Establishing specimen property – part performance relationships
1515 – 1730	Non-Destructive Evaluation (NDE) & In-Situ Monitoring for AM <ul style="list-style-type: none"> NDE for surface & volumetric inspections Non-Destructive Detection of typical AM flaws In-situ AM measurements and monitoring



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