

SIMULATION COURSE



AVT 202: Visual Simulation

Visual Simulation explores Visual System Design and the Synthetic Environment. Visual System Design examines image generation (IGs), image projection, display systems, image alignment, user points of view, and other visual system concepts. The Synthetic Environment introduces computer generated forces (CGF) and semi-automated forces (SAF), instructor operating station (IOS) and after-action review (AAR) solutions. Simulation control, scenarios, decision engines, and other ways of controlling what the simulation trainee views during a simulation are reviewed.

The courses are in partnership with the University of Central Florida division of Continued Education. Instruction is covered in four days and includes hands on simulator experience at AVT Simulation, 5DT, Aechelon, Q4 Services and 3d Perception.



Industry Experts

The AVT Simulation Training Center's curriculum is designed and taught by industry experts with instructing experience as well as years of experience building simulators and simulator components.



5 In-Depth Simulation Courses

Our dynamic four-day courses provide a sequenced learning experience that begins with an introduction to simulation and evolves into multi-faceted complex concepts of simulation.



Hands On Experience

In addition to what you learn in the classroom, students who take AVT Simulation Training Center classes will experience an unparalleled range of hands-on experience with simulators.

To See Upcoming Course Dates, Visit trainingcenter.avtsim.com

"As someone who has worked with MSTT companies for years supporting them in growing their companies, I have felt very limited in my ability to understand their technology. Just from this course, I am equipped to understand where a company "fits" in the world of simulation and to better support them in their business growth"

-Carol Ann Dykes Logue
Director, Innovation Districts Programs & Operations Office of Partnerships & Innovation
| University of Central Florida

For more information about our in-depth 200-level courses, visit trainingcenter.avtsim.com

Topics Covered



VISUAL SIMULATION

- Training Simulator Systems
- Display Systems
- Training Requirements
- Display Requirements
- Display Technologies
- Display System Analysis



IG & DATABASES

- IG Control
- IG Rendering for visual
- IG Features
- Database content and types
- Database development
- Database compatibility



VISUAL TECHNOLOGIES

- Distributed Mission Training
- Simulation Network
- Combining the Systems
- SAF Demo
- Leveraging GPU Capabilities



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