



IntelliCademy™ Training Catalog

Where Knowledge Meets Mission.

Powered by IntelliGenesis LLC®

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Table of Contents

About IntelliCademy™	1
Programs & Courses	
AI/ML Specialist Certification Exam	2
AI/ML Specialist Bootcamp	3
AI/ML Specialist Bootcamp + Exam Voucher Bundle	4
AI Transformation Leader Certification Exam	5
AI Transformation Leader Bootcamp	6
AI Transformation Leader Bootcamp + Exam Voucher Bundle	7
Analyst's Edge	9
Briefing & Visualization for Intelligence	10
Introduction to Python	11
Jupyter & Reproducible Workflows	12
Prompt Engineering for Analysts & Engineers	13
Python for Data Science	15
Technical Report Writing: Unclass Incidents	16
Custom Course Development (IGnuity™)	17

About IntelliCademy™

At IntelliCademy™, Powered by IntelliGenesis LLC®, we go beyond the classroom to prepare today's technical workforce for tomorrow's national security challenges. Our mission-focused training academy is purpose-built to bridge the critical gap between foundational knowledge and real-world mission application, taking students from the schoolhouse directly into operational success.

Our highly technical, hands-on curriculum leverages real-world scenarios to ensure learners don't just understand the "what," but also the "how," "why," and "when" behind applying their skills in mission-critical environments. Aligned with DoD 8140 work role standards, our programs are grounded in core competencies yet push far beyond the baseline.

Led by seasoned Subject Matter Experts with operational experience, IntelliCademy™ constantly evolves its offerings, customizing training on emerging technologies, advanced methodologies, cutting-edge tools, and mission-specific practices.

The result? Graduates who are not only certified, but truly mission-ready and prepared to lead and adapt in rapidly advancing national security domains.



**OVER 50,000 TRAINED
SINCE 2013**

Over 50,000+ mission personnel trained across DoD and IC since 2013.

Programs aligned with DoD 8140 work role standards.

Hands-on, scenario-driven learning focused on real-world performance.

AI/ML Specialist Certification Exam (\$499)

Attribute	Details
Length	3 hours
Modality	Synchronous
Difficulty	Intermediate
Alignment	DoD 8140 Work Role 623
Location	Virtual

Scope Statement:

This AI/ML Specialist (623) certification evaluates candidates' ability to excel in the AI/ML Work Role (623). The certification assesses knowledge of foundational AI/ML principles and advanced analytics, integrating with Python-based Jupyter Notebooks for hands-on problem-solving and real-world AI applications. Candidates will demonstrate the ability to design, develop, and optimize AI models and intelligent systems to support mission-critical objectives, while upholding ethical AI principles and regulatory compliance frameworks.

Curriculum Highlights:

- Foundational concepts
- Machine learning techniques
- Model evaluation & deployment strategies
- Cybersecurity & networking integration
- AI ethics and regulations
- Future AI trends and innovations
- Interactive and hands-on learning

Prerequisites & Requirements:

- Familiarity with data structures, statistics, algebra, calculus, and algorithms
- Proficiency in Python (NumPy, pandas, matplotlib, etc.)
- Prior exposure to collecting, analyzing, and manipulating data
- Laptop with Anaconda/Jupyter installed (instructions provided)

AI/ML Specialist Bootcamp (\$3,499)

Attribute	Details
Length	40 hours
Modality	Synchronous
Difficulty	Intermediate
Alignment	Aligned to DoD 8140 AI/ML Specialist (623); pairs with 3-hour certification exam
Location	IntelliGenesis Site, Customer Site, or Virtual

Scope Statement:

An immersive, industry-defining course blending hands-on labs, expert instruction, and real-world scenarios to develop mission-ready AI/ML practitioners. From foundational concepts to advanced deployment strategies, you'll gain the skills to design, build, and evaluate AI systems that are secure, ethical, and operationally effective.

Curriculum Highlights:

- Speak the language of AI
- Build and apply ML models
- Evaluate and deploy with confidence
- Think like a defender
- Lead with integrity
- Stay ahead of the curve
- Get hands-on

Prerequisites & Requirements:

- Familiarity with basic data structures, statistics, mathematics (algebra, calculus), and algorithms
- Proficiency in Python (NumPy, pandas, matplotlib, etc.)
- Prior exposure to collecting, analyzing, and manipulating data
- Laptop with Anaconda/Jupyter installed (instructions provided)

AI/ML Specialist Bootcamp + Exam Voucher Bundle (\$3,750)

Attribute	Details
Length	43 hours
Modality	Synchronous
Difficulty	Intermediate
Alignment	Aligned to DoD 8140 AI/ML Specialist (623); pairs with 3-hour certification exam
Location	Course: IntelliGenesis Site, Customer Site, or Virtual Exam: Virtual

Scope Statement:

An immersive, industry-defining course blending hands-on labs, expert instruction, and real-world scenarios to develop mission-ready AI/ML practitioners. From foundational concepts to advanced deployment strategies, you'll gain the skills to design, build, and evaluate AI systems that are secure, ethical, and operationally effective.

Curriculum Highlights:

- Speak the language of AI
- Build and apply ML models
- Evaluate and deploy with confidence
- Think like a defender
- Lead with integrity
- Stay ahead of the curve
- Get hands-on

Prerequisites & Requirements:

- Familiarity with basic data structures, statistics, mathematics (algebra, calculus), and algorithms
- Proficiency in Python (NumPy, pandas, matplotlib, etc.)
- Prior exposure to collecting, analyzing, and manipulating data
- Laptop with Anaconda/Jupyter installed (instructions provided)

AI Transformation Leader Certification Exam (\$199)

Attribute	Details
Length	3 hours
Modality	Synchronous
Difficulty	Intermediate
Location	Virtual

Scope Statement:

The AI Transformation Leader certification validates knowledge, skills, and abilities spanning both the DCWF AI Innovation Leader (902) and AI Adoption Specialist (753) work roles, ensuring graduates can define AI vision and policy and drive successful adoption across cyber and intelligence mission. Candidates will exhibit the ability to strategically lead, govern and operationalize AI initiatives that deliver measurable mission and enterprise value. Candidates will demonstrate proficiency in applying frameworks, governance models, and decision-making tools to oversee responsible AI adoption while balancing innovation, risk, and compliance across complex technical and organizational environments. In addition, candidates will exhibit the ability to design AI strategies, implement governance structures, align investments, and manage multidisciplinary teams to ensure sustainable, ethical, and impactful AI outcomes.

Curriculum Highlights:

- Develop AI strategy and governance
- Manage risk, ethics, and regulatory alignment
- Plan for sustainable AI adoption
- Measure AI performance and mission impact
- Engage stakeholders and influence decision-makers
- Oversee responsible AI operations
- Apply core AI/ML concepts

Prerequisites & Requirements:

- Experience in leadership, management, program oversight, innovation, policy, operations, or transformation-related roles
- Familiarity with organizational decision-making, strategic planning, or enterprise initiatives
- Basic understanding of emerging AI capabilities and their potential application in mission or business environments
- Ability to engage with policy, governance, risk, and performance discussions at an organizational level
- A laptop or device capable of accessing course materials and completing practical exercises

AI Transformation Leader Bootcamp (\$1,899)

Attribute	Details
Length	32 hours
Modality	Synchronous
Difficulty	Intermediate
Location	IntelliGenesis Site, Customer Site, or Virtual

Scope Statement:

AI Transformation Leader is an advanced 4-day course and certification designed for senior leaders, program managers, transformation officers, innovation leads, and decision-makers responsible for guiding AI adoption across complex mission and enterprise environments.

Aligned to the DoD Cyber Workforce Framework (DCWF) work roles of AI Innovation Leader (902) and AI Adoption Specialist (753), this certification validates the knowledge, skills, and abilities required to define AI vision and policy, establish governance and oversight, and drive responsible, scalable adoption across cyber, intelligence, and broader mission operations.

Participants learn how to strategically lead, govern, and operationalize AI initiatives that deliver measurable mission and enterprise value. The course emphasizes practical leadership skills in AI strategy development, governance design, policy alignment, risk management, workforce planning, metrics, and stakeholder engagement. Learners explore how to balance innovation with compliance, ethics, security, and organizational readiness while overseeing multidisciplinary teams and high-impact transformation efforts.

By the end of the course, participants will be equipped to design AI strategies, implement governance structures, align resources and investments, and guide sustainable AI adoption in ways that are ethical, mission-aligned, and operationally effective.

Curriculum Highlights:

- Develop AI strategy and governance
- Manage risk, ethics, and regulatory alignment
- Plan for sustainable AI adoption
- Measure AI performance and mission impact
- Engage stakeholders and influence decision-makers
- Oversee responsible AI operations
- Apply core AI/ML concepts

AI Transformation Leader Bootcamp + Exam Voucher Bundle (\$2,049)

Attribute	Details
Length	35 hours
Modality	Synchronous
Difficulty	Intermediate
Location	Course: IntelliGenesis Site, Customer Site, or Virtual Exam: Virtual

Scope Statement:

AI Transformation Leader is an advanced 4-day course and certification designed for senior leaders, program managers, transformation officers, innovation leads, and decision-makers responsible for guiding AI adoption across complex mission and enterprise environments.

Aligned to the DoD Cyber Workforce Framework (DCWF) work roles of AI Innovation Leader (902) and AI Adoption Specialist (753), this certification validates the knowledge, skills, and abilities required to define AI vision and policy, establish governance and oversight, and drive responsible, scalable adoption across cyber, intelligence, and broader mission operations.

Participants learn how to strategically lead, govern, and operationalize AI initiatives that deliver measurable mission and enterprise value. The course emphasizes practical leadership skills in AI strategy development, governance design, policy alignment, risk management, workforce planning, metrics, and stakeholder engagement. Learners explore how to balance innovation with compliance, ethics, security, and organizational readiness while overseeing multidisciplinary teams and high-impact transformation efforts.

By the end of the course, participants will be equipped to design AI strategies, implement governance structures, align resources and investments, and guide sustainable AI adoption in ways that are ethical, mission-aligned, and operationally effective.

Curriculum Highlights:

- Develop AI strategy and governance
- Manage risk, ethics, and regulatory alignment
- Plan for sustainable AI adoption
- Measure AI performance and mission impact
- Engage stakeholders and influence decision-makers
- Oversee responsible AI operations
- Apply core AI/ML concepts

Prerequisites & Requirements:

- Experience in leadership, management, program oversight, innovation, policy, operations, or transformation-related roles
- Familiarity with organizational decision-making, strategic planning, or enterprise initiatives
- Basic understanding of emerging AI capabilities and their potential application in mission or business environments
- Ability to engage with policy, governance, risk, and performance discussions at an organizational level
- A laptop or device capable of accessing course materials and completing practical exercises

Analyst's Edge (\$1,699 per student)

Attribute	Details
Length	40 hours
Modality	Synchronous
Difficulty	Intermediate
Alignment	Grounded in ICD 203 and The Foundation for Critical Thinking
Location	IntelliGenesis Site, Customer Site, or Virtual

Scope Statement:

Analysts Edge is an intensive 5-day course designed for intelligence professionals who must produce objective, rigorous, and transparent assessments in complex, high-stakes environments.

The course equips students with the mindset, methods, and tradecraft standards needed to elevate their analysis beyond intuition and habit. Participants learn to recognize how analytic bias, mindsets, and assumptions shape their judgments; apply Structured Analytic Techniques (SATs); and align their products with ICD-203 analytic tradecraft standards.

Through scenario-based exercises, guided practice, and a culminating capstone, learners develop habits of critical inquiry, strengthen their ability to generate and evaluate multiple hypotheses, and produce defensible, well-structured intelligence products that decision makers can trust.

Curriculum Highlights:

- Understand how thinking shapes analysis
- Apply tradecraft standards for rigor & objectivity
- Use structured analysis for complex problems
- Mitigate analysis bias & clarify assumptions
- Strengthen foresight & analytic resilience

Prerequisites & Requirements

- Experience in intelligence, operations, analysis, or related fields
- A need to produce or review analytic products for decision makers
- Willingness to examine and challenge their own thinking habits
- A laptop or device capable of accessing course materials and completing exercises

Briefing & Visualization for Intelligence (\$999)

Attribute	Details
Length	24 hours
Modality	Synchronous
Difficulty	Intermediate
Location	IntelliGenesis Site, Customer Site, or Virtual

Scope Statement:

Briefing & Visualization for Intelligence (BVI) is a rigorous 3-day course designed for intelligence professionals, analysts, data translators, and technical communicators who must deliver concise, accurate, and decision-ready briefings in operational environments.

This course builds the essential skills of audience analysis, BLUF-first structuring, slide craft, visual representation, analytic transparency, and confident delivery. Learners practice transforming raw analysis into polished, impactful products—including uncertainty encodings, sourcing language, and ICD-203-aligned validity statements.

Through hands-on exercises, iterative feedback, and real-world examples, participants develop the ability to create high-clarity slides, effective charts, and briefings that travel well, including a professional one-pager and a 5/15-style briefing.

Training culminates in a Capstone Exercise, where students prepare and deliver a full-spectrum intelligence brief based on a technical article, demonstrating their tradecraft, narrative structure, visual clarity, and verbal delivery proficiency.

Curriculum Highlights

- Know your audience and state the BLUF
- Structure an intelligence brief
- Use visual aids effectively
- Communicate with confidence
- Apply tradecraft standards
- Summarize on one page
- Brief a complete story

Prerequisites & Requirements

- Experience conducting or supporting intelligence, operational analysis, research, or data-driven assessments
- Basic familiarity with briefing formats or slide-based communication
- A laptop capable of editing slides and reading PDFs
- Ability to speak and present in a classroom environment

Introduction to Python (\$899)

Attribute	Details
Length	32 hours
Modality	Synchronous or Asynchronous
Difficulty	Beginner
Location	IntelliGenesis Site, Customer Site, or Virtual

Scope Statement:

Introduction to Python is a beginner-friendly, 4-day course that equips students with the fundamentals needed to read, write, and reason about Python code with confidence. Through instructor demonstrations and guided exercises, students start with the building blocks—numbers, variables, strings—and steadily progress into core data structures, control flow, functions, and an introductory look at object-oriented programming (OOP).

As students gain comfort writing Python logic, they begin combining these skills to build small, complete programs that solve practical problems. Hands-on Jupyter Notebook exercises reinforce each concept, allowing learners to apply syntax, debug issues, and explore examples in real time. By the end of the course, students will be able to write clean, structured Python scripts and understand how Python's fundamental tools work together to process data, automate tasks, and model real-world concepts.

Curriculum Highlights:

- Set up and use a Python development environment
- Use core python syntax to manipulate data
- Work with fundamental data structures
- Control program flow
- Write reusable logic with functions
- Apply introductory object-oriented programming
- Build complete mini-programs

Prerequisites & Requirements

- Basic computer literacy (file navigating, typing, downloading files)
- Access to a computer capable of running Anaconda and Jupyter Notebook
- Curiosity and willingness to experiment with code

Jupyter & Reproducible Workflows (\$599)

Attribute	Details
Length	16 hours
Modality	Asynchronous
Difficulty	Beginner
Location	Virtual

Scope Statement:

Jupyter & Reproducible Workflows is a self-paced, 2-day-equivalent course designed for analysts, data scientists, and engineers who rely on Jupyter Notebooks for real work—not just experimentation.

Across eight focused modules, students learn how to design, build, and share reproducible workflows using Jupyter. The course walks through reproducibility principles, environment setup, dependency pinning, parameterization, lightweight testing, provenance logging, and minimal Continuous Integration (CI) concepts.

Through guided exercises, example notebooks, and a practical capstone, learners move from “it works on my machine” to notebooks that teammates can rerun with consistent, verifiable results.

The course ends with a hands-on exam-style capstone where students fix and improve an existing notebook to meet best practices for reproducibility.

Curriculum Highlights:

- Design reproducible Jupyter workflows
- Manage environments and dependencies
- Parameterize and reuse notebooks
- Add lightweight tests and guards
- Convert notebooks for team handoff
- Log provenance and results
- Understand minimal continuous integration concepts

Prerequisites & Requirements

- Design reproducible Jupyter workflows
- Basic familiarity with Python and Jupyter Notebooks (execution, editing cells, basic Python syntax)
- Ability to access a command-line environment (OS terminal or Jupyter Terminal)
- Ability to install Python packages (e.g., via pip or conda)
- A local or hosted Jupyter environment (Anaconda, VS Code, JupyterLab, etc.)

Prompt Engineering for Analysts & Engineers (\$699)

Attribute	Details
Length	16 hours
Modality	Synchronous or Asynchronous
Difficulty	Beginner
Location	IntelliGenesis Site, Customer Site, or Virtual

Scope Statement:

Prompt Engineering for Analysts & Engineers is an intensive 2-day program built for professionals who rely on precision, reproducibility, and defensibility in their daily workflows. Designed for analysts, engineers, data professionals, and technical leaders, this course teaches practical, operationally focused prompting methods that elevate the reliability and quality of large language model (LLM) outputs.

Through a combination of self-paced learning and live instructor-led workshops, participants learn how to structure prompts, decompose complex tasks, evaluate output quality, and build reusable, automation-ready workflows. The course emphasizes accuracy, safety, ethics, and verification, ensuring learners can confidently integrate LLMs into mission and production environments.

Training culminates in a hands-on capstone scenario, where students design a complete end-to-end prompt workflow and are evaluated using an instructor-scored rubric.

Curriculum Highlights:

- Design structured prompting workflows
- Draft high-quality prompts
- Evaluate and refine AI responses
- Break down complex tasks
- Leverage contextual references
- Use tools and structured outputs
- Develop reusable prompt templates
- Operationalize your workflows

Prerequisites & Requirements

- Experience performing analytical or engineering tasks that require structured reasoning or workflow design
- Familiarity with basic technical concepts (data structures, systems thinking, analytic methods, or engineering processes)
- Ability to evaluate quality, accuracy, and completeness of written or technical outputs
- Access to an approved LLM environment (e.g., ChatGPT, Claude, Gemini; instructions provided)
- A laptop capable of connecting to course platforms and uploading sample files when required

Python for Data Science (\$2,699)

Attribute	Details
Length	40 hours
Modality	Synchronous or Asynchronous
Difficulty	Intermediate
Location	IntelliGenesis Site, Customer Site, or Virtual

Scope Statement:

Python for Data Science is a 5-day intermediate course that builds directly on Introduction to Python and prepares students for real-world analytical workflows. The course focuses on the essential Python libraries used across data science, intelligence analysis, cybersecurity analytics, machine learning engineering, and scientific computing.

Learners begin with NumPy, mastering how to instantiate and transform ndarrays using slicing, reshaping, mathematical operations, and Boolean filtering. They then progress into Pandas, where they learn to work effectively with Series and DataFrames—organizing, cleaning, and transforming datasets in ways present in many professional analytical workflows.

Next, the course introduces Python's core visualization library, Matplotlib, teaching students how to design clear, professional plots that reveal patterns and support analytic storytelling. With these building blocks in place, learners explore introductory statistics and SciPy, applying summary statistics, distributions, and hypothesis testing to real datasets.

The course concludes with data storytelling, where students integrate technical analysis with narrative clarity to communicate insights effectively. Throughout the program, each module blends demonstration, guided practice, and hands-on notebook-based exercises to build confidence and fluency.

Curriculum Highlights:

- Work with scientific data structures
- Manipulate data with vectorized operations
- Visualize data clearly with matplotlib
- Blend statistics with practical python workflows
- Communicate results through data storytelling

Prerequisites & Requirements

- Completion of the Introduction to Python course or equivalent foundational experience
- A functional Python + Anaconda environment
- Ability to run Jupyter Notebooks
- Basic familiarity with lists, loops, functions, and classes

Technical Report Writing: Unclass Incidents (\$699)

Attribute	Details
Length	16 hours
Modality	Synchronous
Difficulty	Beginner
Location	IntelliGenesis Site, Customer Site, or Virtual

Scope Statement:

Technical Report Writing: Unclassified Incidents is a foundational 2-day course designed for new analysts, technicians, and mission personnel who must communicate technical findings to non-technical audiences with clarity, accuracy, and speed.

Learners follow a repeatable reporting workflow that mirrors real-world operational requirements: structuring an incident report, handling evidence with proper provenance, documenting analytic judgments with approved confidence language, and building timelines and simple visuals from supplied data. Through hands-on exercises, peer reviews, and rubric-driven refinement cycles, participants elevate raw notes into polished, unclassified products suitable for leadership, customers, and interagency partners.

By mastering templates, checklists, and confidence scales, learners develop the habits required to produce consistent, defensible, and decision-ready incident reports—even when time is short and technical complexity is high.

A short multiple-choice exam verifies understanding of key concepts and reinforces best practices for sustained reporting quality.

Curriculum Highlights:

- Identify components of a technical incident report
- Apply a consistent incident report template
- Handle evidence with provenance
- Write for non-technical audiences
- Use confidence levels in findings
- Build timeline and visuals from raw data
- Improve quality through rubrics and review cycles

Prerequisites & Requirements

- Basic familiarity with technical incidents or operational environments
- Ability to interpret technical notes or logs (no engineering background required)
- A laptop capable of editing Word documents and viewing PPTX/SCORM modules

Custom Course Development (IGnuity™)

Built for Your Team's Success

We develop tailored training designed to help your team grow, perform, and lead – no matter their experience level. Using our exclusive IGnuity™ process, only available through IntelliGenesis LLC®, we deliver engaging, measurable, and mission-ready training built around your needs.

Custom Course Development provides full-lifecycle instructional systems design (ISD) services to develop a customized 1-day (6-8 instructional hours) training course aligned with customer mission requirements, organizational objectives, DoD 8140 work roles, and proven adult learning strategies. Using IntelliGenesis LLC's proprietary IGnuity™ development methodology, services include formal training needs analysis, learning objective development, curriculum design, instructional content development, and Government review and coordination.

Why IGnuity™ is Different:

- Aligned to your mission
- Built with adult learning principles
- Designed for real-world performance
- Tailored to your organization's success

What You Get:

- Tailored course built to your specific goals
- Instructor Guide with facilitation notes, scripts, timing guidance and references
- Student Guide with structured content, job aids, and applied learning activities
- Presentation materials (slides and/or lecture scripts)
- Hands-on practical exercises aligned to mission scenarios
- Knowledge checks and skills assessments
- Course evaluation instruments
- Final design review and Government walkthrough
- Compliance with federal training standards and your agency's requirements

Optional Add-Ons & Customizations:

- Additional review cycles
- Certification alignment
- Practical assessments & testing
- Multi-day or modular course packages

Choose Your Course Level:

Pricing reflects the full development effort required to produce one (1) complete 1-day course, including analysis, design, content development, and standard review cycles. Larger programs and additional services available upon request.

Service Name	Description	Ideal Audience	Learning Focus	Duration	Location	Starting Price
Beginner Course Development (1 Day)	Tailored design of 1-day beginner course using IGnuity™ methodology. Includes all materials and 1 review cycle.	Learners with no prior experience	Foundational concepts, terminology, confidence building	6-8 Hours	Customer Site or Virtual	\$49,999
Intermediate Course Development (1 Day)	Tailored design of 1-day intermediate course with hands-on activities and scenario-based learning. Includes all materials and 1 review cycle.	Learners with basic prior knowledge	Practical application, problem-solving, critical thinking	6-8 Hours	Customer Site or Virtual	\$109,999
Advanced Course Development (1 Day)	Tailored design of 1-day advanced course addressing complex, mission-critical challenges. Includes all materials and 1 review cycle.	Experienced professionals or SMEs	Strategic thinking, innovation, leadership, and decision-making	6-8 Hours	Customer Site or Virtual	\$288,499



Next Steps & Inquiries

To discuss delivery options, private cohorts, or custom development, please contact IntelliCademy™.



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