Clean proposal

Expanded Outline for AI Expansion Presentation at Mount Mercy and St. Ambrose Universities

This expanded outline incorporates the full details from our previous discussions, including tables, descriptions, examples, and resources. Each section is now self-contained with "chunks" of complete content (e.g., full tables, lesson plans, rubrics, etc.), so you can easily copy/edit/work on them individually. I've preserved the high-level structure to keep it organized and non-overwhelming for your presentation prep. Use this as a modular document—focus on one section at a time.

I. Overview and Rationale

- **Full Chunk: Core Goals and Context**
    - As an AI Strategist and Enterprise Architect, the focus is on creating a modular graduate course (e.g., 3-4 credits, hybrid format) that aligns with both universities' offerings. Mount Mercy emphasizes Catholic traditions and Mercy values (compassion, justice, hospitality); St. Ambrose offers similar business programs with a faith grounding.
    - Key Rationale: Integrate AI practically and ethically to prepare students for AI-driven transformations in Iowa's regional economy (e.g., agriculture, manufacturing, healthcare). Assume good intent in expansion—treat users as adults without moralizing.
    - Reviewed Offerings:
        - Mount Mercy: Undergraduate majors in Accounting, Finance, Marketing, Management, Human Resource Management, Sport Management, and general Business. Minors in Economics, Finance, Accounting, and Human Resource Management. Graduate: MBA (emphases in Business Administration, Finance, Health Care Administration, Human Resources, Leadership), Master of Strategic Leadership, Master of Science in Supply Chain Management.
        - St. Ambrose: Bachelor of Business Administration (BBA) majors in Accounting, Economics, Finance, Management, Marketing, and International Business; BA in Sport Management; BBA in Business Sales. Graduate: Master of Accounting, MBA, Master of Organizational Leadership.
        - Disciplines Not Offered: Entrepreneurship, Operations Management, Management Information Systems (MIS)/IT Management, Hospitality/Tourism Management, Real Estate—suggest AI integration to bridge gaps or create new programs.
    - Benefits: Attract tech-savvy students, foster collaborations (e.g., with UIowa/ISU), enhance accreditation (e.g., AACSB points for ethics), and uphold faith foundations without restricting content.
    - Potential Scope: Pilot as a 3-credit course spanning 12-14 weeks, with modules mixing lectures, guest speakers (e.g., from Iowa businesses like Rockwell Collins or Principal Financial), and capstone projects. Incorporate tools like Microsoft Copilot or Google Cloud AI for hands-on elements.
    - Overall Approach: Emphasize ethical AI as a pillar; position AI as a servant to human discernment, drawing from Catholic teachings (e.g., *Laudato Si'* on technology's stewardship role).

II. AI in Business Disciplines

- **Full Chunk: Offered and Expansion Areas (Detailed Table and Descriptions)**
  - Curriculum Structure: Modular design for flexibility; each discipline includes AI applications, objectives, activities, with ethical ties. Full course could span 10-12 weeks initially, expanding to 14 with ethics.
  - Complete Table of Recommended Course Materials/Topics:

Discipline	Key AI Applications/Materials	Learning Objectives	Example Activities/Case Studies
Accounting (Offered at both)	AI for automated auditing, fraud detection algorithms, predictive financial reporting, blockchain-integrated AI for compliance.	Understand how AI enhances accuracy and efficiency in financial data processing; evaluate ethical implications of AI in audits.	Case study: AI detection of Enron-like fraud; hands-on with tools like QuickBooks AI or IBM Watson for anomaly detection.
Finance (Offered at both)	AI in algorithmic trading, risk modeling (e.g., Monte Carlo simulations with ML), robo-advisory systems, credit scoring via neural networks.	Analyze AI's role in financial forecasting and risk mitigation; apply AI to portfolio optimization.	Simulation: Building a simple AI trading bot using Python libraries; review of Vanguard's AI robo-advisors.
Marketing (Offered at both)	AI-driven customer segmentation, sentiment analysis on social media, personalized recommendation engines, predictive analytics for campaigns.	Leverage AI for data-driven marketing strategies; measure ROI of AI tools in consumer behavior analysis.	Project: Using Google Analytics AI or HubSpot for targeted ads; case on Netflix's recommendation system.
Management (Offered at both)	AI for decision support systems, performance analytics, agile project management with AI tools, leadership in AI-transformed organizations.	Integrate AI into managerial processes; develop strategies for AI adoption in teams.	Workshop: AI-enhanced SWOT analysis; study on how Amazon uses AI for warehouse management.
Human Resource Management (Offered at Mount Mercy; adaptable for St. Ambrose)	AI in talent acquisition (resume screening), employee engagement chatbots, predictive turnover models, diversity analytics.	Apply AI to HR functions while addressing bias; design AI-inclusive HR policies.	Exercise: Implementing LinkedIn AI recruiting tools; case on Google's People Analytics.

Economics (Offered at St. Ambrose as minor/major; minor at Mount Mercy)	AI for econometric modeling, market forecasting, behavioral economics simulations, policy impact analysis with big data.	Use AI to interpret economic trends; critique AI's limitations in macroeconomic predictions.	Analysis: AI forecasting of GDP using tools like R or Stata with ML extensions; review of AI in Federal Reserve models.
International Business (Offered at St. Ambrose; potential expansion for Mount Mercy)	AI for cross-border supply chain optimization, currency fluctuation prediction, cultural sentiment analysis in global markets.	Evaluate AI's impact on global trade; develop strategies for AI in multinational operations.	Case: AI in Alibaba's global logistics; simulation of forex trading with AI.
Supply Chain Management (Offered at Mount Mercy as MS; potential for St. Ambrose)	AI for inventory optimization, demand forecasting, route planning with ML, sustainability tracking via IoT-AI integration.	Optimize supply chains using AI; assess resilience in disrupted environments.	Project: Using SAP AI for supply chain simulation; case on Walmart's AI inventory system.
Sport Management (Offered at both)	AI in fan engagement analytics, player performance prediction, ticket pricing optimization, injury risk assessment.	Apply AI to sports business operations; analyze data ethics in athletics.	Study: MLB's use of AI for scouting; hands-on with Fanatics AI merchandising tools.
Organizational Leadership (Offered at St. Ambrose as MS; similar to Mount Mercy's Strategic Leadership)	AI-assisted change management, leadership coaching bots, team dynamics simulation, ethical AI governance frameworks.	Lead AI initiatives in organizations; foster innovation through AI.	Role-play: Implementing AI in corporate restructuring; case on Microsoft's AI leadership training.
Entrepreneurship (Not offered at either; for expansion)	AI for idea validation, market gap analysis, startup funding prediction, automated business plan generation.	Use AI to accelerate entrepreneurial processes; mitigate risks in new ventures.	Pitch exercise: AI-generated business models via tools like IdeaBuddy; study on AI in Y Combinator startups.
Operations Management (Not offered at either; for expansion)	AI in process automation, quality control via computer vision, lean manufacturing with predictive maintenance.	Streamline operations using AI; integrate with ERP systems.	Simulation: AI-optimized factory floor using Siemens tools; case on Tesla's AI production lines.

Management Information Systems (MIS)/IT Management (Not offered at either; for expansion)	AI in cybersecurity threat detection, data governance, cloud AI integration, IT project management with AI.	Manage AI infrastructure; ensure secure AI deployments.	Lab: Building an AI dashboard with Azure or AWS; review of ransomware prevention via AI.
Hospitality/Tourism Management (Not offered at either; for expansion)	AI for personalized guest experiences, revenue management, sentiment analysis from reviews, virtual tours with AR-AI.	Enhance service industries with AI; predict tourism trends.	Case: Hilton's AI concierge; project on TripAdvisor AI recommendations.
Real Estate (Not offered at either; for expansion)	AI for property valuation models, market trend forecasting, virtual staging, predictive maintenance in facilities.	Apply AI to real estate transactions; analyze investment opportunities.	Analysis: Zillow's AI pricing algorithm; simulation of AI-driven property auctions.

- Implementation Notes: Recommend piloting with existing faculty in Management or MBA programs; incorporate regional capstones (e.g., AI in Iowa agriculture).

III. Mandatory AI Ethics Components

- **Full Chunk: Dual Ethics Modules (Detailed Descriptions and Table)**
  - **AI Ethics in Business**: Mandatory core module; positioned as Week 1-2 content. Draws from standards like IEEE guidelines, NIST frameworks.
    - Key Applications/Materials: Ethical frameworks (e.g., IEEE AI Ethics guidelines), bias detection in algorithms, data privacy laws (GDPR, CCPA), responsible AI deployment in corporate settings, societal impacts like job displacement.
    - Learning Objectives: Critically evaluate AI's ethical risks in business; develop policies for fair AI use; promote inclusive decision-making.
    - Example Activities/Case Studies: Debate: AI in hiring (e.g., Amazon's biased recruiting tool); project: Auditing a business AI tool for ethical compliance using frameworks from NIST or EU AI Act.
  - **AI Ethics in Faith Contexts**: Expanded standalone component (e.g., 2-3 weeks or 1-credit workshop); adapts business ethics for faith grounding. Draws from Vatican teachings (e.g., "Antiqua et Nova," Rome Call for AI Ethics, Pope Francis on "wisdom of the heart").
    - Module Overview: Hybrid format; assessments: Reflective essays, debates, capstone (audit AI tool for faith alignment). Rationale: Transcend secular ethics to include theological dimensions (e.g., bias as akin to original sin).
    - Complete Unit Table:

Unit	Focus	Key Content & Theological Ties	Learning Objectives	Example Activities/Assignments

Unit 1: Foundations of Human Intelligence in Faith (Week 1)	Distinguishing AI from human intelligence as a divine gift.	Explore human intelligence as rational, embodied, relational, truth-oriented, and stewardship-focused (per St. Thomas Aquinas and Genesis 1:27, 2:15). AI is a human creation, not true intelligence, lacking moral agency or transcendence. Quote: "The very use of the word ‘intelligence’ in connection to AI 'can prove misleading'" (Pope Francis). Risks include functionalism that reduces humans to outputs.	Understand AI's limits through Catholic anthropology; discern how AI can enhance vs. undermine human dignity.	Reading: Excerpts from "Antiqua et Nova" (Introduction & Sections 7-29). Activity: Journal reflection on Genesis creation narratives—how does AI fit into "subduing the earth" without idolatry?
Unit 2: Ethical Principles for AI in Catholic Teaching (Week 1-2)	Core guidelines from Vatican sources.	Rome Call principles: Transparency, Inclusion, Accountability, Impartiality, Reliability, Security & Privacy. Vatican bans on discriminatory AI, psychological harm, social inequalities, or subliminal manipulation. Tie to Catholic Social Teaching: Common good, subsidiarity, solidarity. AI must promote justice and mercy, not technocracy or exploitation. Quote: "We must make Artificial Intelligence a bulwark against [technocracy's] expansion" (Pope Francis).	Apply Vatican principles to real-world AI; evaluate bias as akin to original sin.	Group debate: Should AI be used in confession apps? (Privacy vs. sacramental integrity). Reading: Rome Call document and Vatican City AI decree.

Unit 3: Risks, Potentials, and Faith Applications (Week 2)	Balancing AI's benefits and dangers in faith contexts.	Potentials: AI for scriptural analysis, mercy outreach (e.g., predictive aid for the vulnerable), environmental stewardship. Risks: Deepfakes eroding truth, surveillance violating conscience, job displacement ignoring human vocation, lethal autonomous weapons contradicting just war theory. Areas: Education (foster critical thinking), healthcare (enhance compassion), warfare (ban autonomous weapons), relationships (avoid isolation). Quote: "Only by adopting a spiritual way of viewing reality... can we confront and interpret the newness of our time" (Pope Francis).	Assess AI's societal impacts through Mercy lens; propose faith-based mitigations.	Case study: AI in healthcare ethics (e.g., end-of-life decisions) vs. Christian moral life. Project: Analyze an AI tool (e.g., ChatGPT) for risks like misinformation, using "Antiqua et Nova" criteria.
Unit 4: Wisdom of the Heart and AI Governance (Week 3)	Cultivating spiritual discernment for AI.	Emphasize "wisdom of the heart" (Wisdom 6:12-16) over machine logic; AI as ordered toward the Paschal Mystery. Governance: Human oversight, policies aligning with human fraternity (Fratelli Tutti). Quote: "The 'wisdom of the heart' can illuminate and guide the human-centered use of this technology to help promote the common good" (Pope Francis). Call for interfaith dialogue and global regulation.	Develop personal and institutional AI policies rooted in faith; reflect on AI's role in spiritual growth.	Capstone: Create a "Mercy AI Charter" for Mount Mercy, incorporating Vatican guidelines. Guest speaker: Campus ministry on AI in service learning (e.g., using AI for refugee aid).

- Resources: Core Readings: "Antiqua et Nova" (full document), Rome Call, Pope Francis's "Fratelli Tutti." Tools: Ethical AI auditors (NIST adapted for faith).

IV. AI Integration in Faith-Based Courses

- **Full Chunk: Adaptations for Religious Studies (RS) (Detailed Table and Notes)**
    - Mount Mercy RS Offerings: RS 110 (Christian Moral Life), RS 111 (Old Testament), RS 113 (New Testament), RS 284 (Topics in Religious Studies), RS 115 (World Religions), RS 370 (Christian Ethics in Healthcare).

- Approach: Incorporate AI within existing courses or as complementary (e.g., workshops); ensure AI enhances spiritual growth, tied to Mercy charism.
- Complete Integration Table:

Course/Discipline	AI Integration Approach (Within or Complementary)	Key AI Applications/Materials	Learning Objectives	Example Activities/Case Studies
AI Ethics in Faith Contexts (Mandatory foundational module; adapted for all faith courses)	Complementary: Add as a prerequisite workshop or integrated unit across RS courses.	Theological frameworks (e.g., Vatican guidelines on AI), bias in AI vs. original sin, AI's role in promoting mercy and justice, privacy in light of confession/sacramentality.	Evaluate AI through Catholic social teaching; discern ethical use in faith practices.	Debate: Pope Francis' views on AI (from *Fratelli Tutti*); project: Auditing AI tools for alignment with Mercy values.
RS 110: Christian Moral Life	Within: Embed AI in ethical case studies. Complementary: AI simulation tools for moral dilemmas.	AI for scenario modeling (e.g., ethical decision trees), predictive analytics on moral outcomes, chatbots simulating moral dialogues.	Apply Christian ethics to AI dilemmas (e.g., AI in warfare vs. just war theory); foster moral imagination.	Simulation: Using AI to model outcomes of moral choices in biblical parables; case on AI in end-of-life decisions tying to healthcare ethics.
RS 111: Introduction to the Bible: Old Testament	Within: Use AI for textual enhancement during lectures. Complementary: Online AI companion for self-study.	Natural language processing for theme mapping (e.g., covenant motifs), AI-generated timelines or maps of Old Testament events, sentiment analysis of prophetic texts.	Deepen scriptural understanding without supplanting prayerful reading; critically assess AI's interpretive limits.	Activity: AI tool (e.g., custom GPT) to cross-reference Old Testament verses; group discussion on AI vs. divine revelation, with case from Genesis creation narratives.
RS 113: Introduction to the Bible: New Testament	Within: Integrate into exegesis assignments. Complementary: AI-assisted devotionals.	AI for concordance building (e.g., keyword searches in Gospels), visualization of parables (e.g., AI art of the Good Samaritan), predictive modeling of apostolic journeys.	Enhance appreciation of New Testament mercy themes; reflect on AI as a tool for evangelization.	Project: AI-generated audio narrations of Epistles; case study on using AI for modern translations, discussing fidelity to original texts.

RS 284: Topics in Religious Studies (e.g., Contemporary Faith Issues)	Within: Dedicate a topic session to "AI and Theology." Complementary: Guest speaker series on tech-faith intersections.	AI for analyzing religious trends (e.g., social media sentiment on faith topics), virtual reality simulations of historical religious sites.	Explore how AI intersects with Western traditions; apply Mercy charism to tech equity.	Workshop: AI analysis of online religious discourse; case on AI in interfaith dialogue, drawing from Vatican II.
General Faith-Based Electives (e.g., World Religions, Theology Seminars)	Complementary: University-wide AI-Faith Certificate or club activities.	AI for comparative religion analysis (e.g., common themes across scriptures), chatbots for factual Q&A on doctrines, AI in service learning (e.g., data analysis for mercy outreach).	Promote interfaith understanding via AI; integrate technology with spiritual formation.	Capstone: AI-powered app for tracking personal faith journeys; study on AI in religious art, like generating icons while discussing iconoclasm.

- Notes: Start small (pilot in RS 111); faculty training on tools like Google Bard; involve Sisters of Mercy for oversight. Benefits: Unique "Mercy AI Initiative" for service projects.

V. Sample Educational Materials and Supports

- **Full Chunk: Practical Resources (Lesson Plans, Rubrics, Slides, Adaptations)**
  - **Lesson Plans for AI Ethics in Faith Contexts** (Full Details for 4 Sessions):
    - **Unit 1: Foundations of Human Intelligence in Faith (Week 1, Session 1: 75 minutes)**
      Objectives: Differentiate AI from human intelligence through Catholic anthropology.
      Materials: "Antiqua et Nova" excerpts, Genesis passages, AI chatbot.
      Agenda: Intro (10 min), Lecture/Discussion (20 min), Activity (25 min: AI demo/mind map), Reflection (15 min), Wrap-Up (5 min).
      Assessment: Participation/journal. Homework: Read Rome Call; journal AI use.
    - **Unit 2: Ethical Principles for AI in Catholic Teaching (Week 1-2, Session 2: 90 minutes)**
      Objectives: Apply Vatican principles.
      Materials: Rome Call, CST handout, case studies.
      Agenda: Recap (10 min), Lecture (25 min), Activity (30 min: Debates), Demo (15 min), Reflection (5 min), Wrap-Up (5 min).
      Assessment: Debate/notes. Homework: Analyze AI issue with CST.
    - **Unit 3: Risks, Potentials, and Faith Applications (Week 2, Session 3: 75 minutes)**
      Objectives: Assess impacts.
      Materials: "Antiqua et Nova" excerpts, video clip, case packets.
      Agenda: Intro (10 min), Lecture (20 min), Activity (25 min: Brainstorm carousel), Reflection (15 min), Wrap-Up (5 min).
      Assessment: Contributions/insights. Homework: Audit AI tool.
    - **Unit 4: Wisdom of the Heart and AI Governance (Week 3, Session 4: 90 minutes)**
      Objectives: Develop policies.
      Materials: Wisdom 6, Fratelli Tutti, guest prep, charter template.

Agenda: Prayer (10 min), Lecture (20 min), Guest (15 min), Activity (30 min: Draft charter), Reflection (10 min), Wrap-Up (5 min). Assessment: Draft/essay. Homework: Final essay.

- **Rubrics** (Full Table for Assessments):

Assessment Type	Criteria	4 (Exemplary)	3 (Proficient)	2 (Developing)	1 (Beginning)	Weight
Participation/Discussion	Engagement & Contribution	Actively contributes insightful ideas, builds on others, integrates faith perspectives seamlessly.	Contributes relevant ideas, responds to peers, includes some faith ties.	Participates minimally, ideas are basic, limited faith integration.	Little to no participation, off-topic or no faith connection.	40%
	Respect & Mercy Values	Demonstrates compassion in dialogue, promotes inclusivity per Catholic Social Teaching (CST).	Shows respect, attempts inclusive language.	Occasional lapses in respect.	Disrespectful or exclusive.	30%
	Faith & Ethical Application	Deeply applies Vatican teachings/AI principles to discussion.	Applies principles adequately.	Superficial application.	No application.	30%
Reflection/Journal	Depth of Insight	Profound personal reflection, links AI ethics to scripture/Mercy charism with examples.	Clear reflection, some links to faith elements.	Basic summary, weak connections.	Surface-level or unrelated.	40%

	Critical Analysis	Critiques AI limits/risks through "wisdom of the heart," proposes solutions.	Analyzes adequately, basic proposals.	Limited analysis.	No analysis.	30%
	Clarity & Faith Integration	Well-written, integrates quotes from Pope Francis/Vatican docs fluidly.	Clear, some integration.	Unclear or forced.	Poorly written, no integration.	30%
Debate Performance	Argument Strength	Compelling use of Rome Call principles, rebuttals grounded in CST.	Solid arguments, some rebuttals.	Weak or unsupported arguments.	Irrelevant or absent.	40%
	Collaboration & Ethics	Fosters team mercy (e.g., fair play), ethical framing of AI issues.	Good collaboration, basic ethics.	Limited teamwork.	Poor collaboration.	30%
	Delivery & Faith Tie	Confident, ties to human dignity/imago Dei.	Adequate delivery, some ties.	Hesitant, weak ties.	Ineffective, no ties.	30%
Capstone Project	Content & Innovation	Comprehensive charter, innovative AI policies aligned with Vatican guidelines.	Solid content, practical policies.	Basic outline, limited innovation.	Incomplete or misaligned.	40%

Faith & Ethical Depth	Deep integration of teachings (e.g., Fratelli Tutti), addresses risks like bias.	Adequate depth.	Superficial.	None.	30%
Presentation & Applicability	Clear, feasible for Mount Mercy implementation.	Mostly clear.	Unclear.	Disorganized.	30%

- **Slides Templates**: General: 10-15 slides/session; Theme: Clean with Mercy icons. Structure: Title, Prayer, Core Content (3-6 slides), Activity (7-9), Discussion (10), Takeaways (11), Homework (12), Closing Prayer. - **Adaptations for Specific Courses**: RS 110 (Units 2-3: AI in moral dilemmas); RS 111 (Units 1&3: Textual analysis); Business (Prerequisite for modules; ethical audits in projects). - **Syllabus Template** (Full Content from Earlier Response): Include the entire syllabus as provided in the PDF-ready format, with course info, description, outcomes, policies, grading, schedule, etc.

VI. Regional AI Benchmarks and Inspirations

- **Full Chunk: Iowa Programs (Detailed Table and Notes)**
  - Summary: Benchmark against UIowa, ISU, etc., for collaborations; focus on ethics/business relevance.
  - Complete Table:

Institution	Program Name	Level	Description	Eligibility	Duration	Cost (Approximate)	Application Info	Key Features
University of Iowa	Graduate Certificate in Artificial Intelligence and Machine Learning	Graduate Certificate	Focuses on AI/ML foundations, solution design, and evaluating approaches for unstructured data. Complements MS in Business Analytics.	Graduate College admission standards; UI cumulative GPA of at least 2.75 required to maintain.	Flexible (courses not all offered every semester); 12 semester hours (s.h.).	Not specified; standard UI graduate tuition applies (~$12,000-$15,000/year for in-state full-time).	Apply via Tippie College of Business; check MyUI for course availability.	Online courses; up to 3 s.h. transfer credit; emphasis on deep learning, text/social analytics, optimization, and generative AI.

University of Iowa	Undergraduate Certificate in Artificial Intelligence	Undergraduate Certificate	Interdisciplinary foundation in AI capabilities, limitations, ethics, and practical tools; human-centered applications.	Open to all undergraduate students.	Launches Fall 2026; complete core + 4-6 electives (semester hours not specified).	Not specified; standard UI undergrad tuition (~$10,000/year in-state).	Details forthcoming; pilot core course in Spring 2026.	Developed by Provost AI Fellows; electives span politics, art, ethics, history; funded by $195,000 P3 project.
University of Iowa	Graduate Certificate in Artificial Intelligence, Modeling, and Simulation in Engineering	Graduate Certificate	Focuses on AI modeling and simulation for engineering applications.	Graduate admission; engineering background preferred.	18 semester hours, including capstone.	Not specified; standard UI graduate tuition.	Apply through College of Engineering; see catalog for details.	Hands-on capstone; interdisciplinary with business ties; undergrad/grad levels available.
Iowa State University	Master of Science in Artificial Intelligence	Master's Degree	Comprehensive curriculum in AI, machine learning, data science, robotics, and autonomous systems.	Bachelor's degree (or equivalent); 3.0 GPA; GRE required (waiver possible); English proficiency for non-native speakers.	Typically 2 years (not explicitly stated).	Application fee not waived; tuition ~$11,000/year in-state.	Apply online; deadlines vary (e.g., Fall: Sept 1); contact aiadmissions@iastate.edu.	Through Computer Science Dept.; optional pre-application; prepares for research/industry; handbook available.
University of Northern Iowa	Artificial Intelligence in Education Microcredential	Graduate Certificate	AI concepts, methodologies, and applications in education; hands-on with tools for teaching/administration.	Open to teachers seeking licensure; current UNI grad students	1 year; 12 credits (4 courses).	$586/credit + $46/course tech fee; scholarships available.	Fill interest form; contact Mallory DeSantiago (mallory.desantiago@uni.edu).	Fully online; stackable toward MA in Education; focuses on ethics and emerging trends.

				can add to degree.				
Des Moines Area Community College	Artificial Intelligence AAS Degree	Associate's Degree	Hands-on AI applications in machine learning, data science, NLP, and ethics.	Open enrollment; high school diploma or equivalent.	Launches Fall 2025; typically 2 years.	Lowest tuition in Iowa (~$5,000/year in-state); no specifics.	Contact advisors (e.g., Becky Deitenbeck: bldeitenbeck@dmacc.edu); info sessions available.	Fully online option; developed with Intel; real-world projects; career or transfer focus.
Eastern Iowa Community Colleges	AI Certificate	Certificate	Practical AI for cost-cutting, efficiency; covers basics to advanced applications.	Open to professionals; no prerequisites specified.	Fully online; duration not specified (short-term).	Not specified; community college rates (~$200/credit).	Enroll via EICC website; contact for details.	Business pathway; emphasizes real-world ROI; flexible for working adults.
Upper Iowa University	Artificial Intelligence Micro-Credential	Micro-Credential	Fundamentals in AI, prompt engineering, machine learning, neural networks, and ethics.	Stand-alone or add to UIU degree; free application for non-enrolled.	6 credits (2 courses); 8-week sessions; completable in 1-2 sessions.	$300/credit (stand-alone); aid-eligible for enrolled students.	Online application; contact advisor for current students.	Online; quick resume booster; starts every 8 weeks; not a full certificate but verified skills.

- Additional: UIowa MBA in AI/Tech Management; professional training from American Graphics Institute. Opportunities: Guest lectures from ISU's AI 2020 (ethics); align with Iowa's P3 funding.

VII. Implementation Suggestions and Next Steps

- **Full Chunk: Phased Rollout and Resources**
  - Phased Approach: To avoid overwhelm, start with ethics pilot in one course (e.g., RS 110 or MBA module, Spring 2027); expand to full business curriculum in Fall 2027.
  - Faculty Support: Train via ISU AI 2020 or UIowa HawkAI; form AI-Faith Advisory Committee with campus ministry.
  - Budget/Resources: Low-cost tools (free AI platforms); grants for guest speakers; partnerships with local businesses (e.g., Principal Financial for capstones).
  - Metrics for Success: Enrollment growth, student feedback (e.g., on ethics relevance), alignment with mission (e.g., mercy service projects using AI for social justice).

- Vatican PDF Links: "Antiqua et Nova": [https://rmhealey.com/docs/pdf/DDF_20250128T_Antiqua-et-Nova.pdf]; Rome Call: [https://www.vatican.va/roman_curia/pontifical_academies/acdlife/documents/rc_pont-acd_life_doc_20202228_rome-call-for-ai-ethics_en.pdf].
- Next Steps: Schedule follow-up discussion; refine syllabus based on feedback; explore "Mercy AI Pathway" certificate with UIowa/ISU ties. If needed, provide cost estimates or syllabi variations.