

# AI IN BUSINESS PROCESS AUTOMATION, BPS

## Contact:

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Faculty List (<https://coursecatalog.syracuse.edu/undergraduate/professional-studies/#facultytext>)

## Description:

The BPS in AI in Business Process Automation is designed to equip students with a comprehensive understanding of AI principles and digital process automation applications. Students will explore the convergence of AI with process automation, emphasizing the impact of this transformation on productivity, efficiency, and innovation. The program aims to develop students' abilities to critically analyze and apply key digital technologies and tools in industry scenarios, preparing them for future trends and challenges in AI and business processes.

1. Identify and describe the conceptual and practical significance of AI tools and techniques used in Business Process Automation.
2. Critically analyze the application of these tools and techniques in various business scenarios to define their impact on productivity, efficiency, and innovation.
3. Design and develop effective AI solutions to communicate data and insights for informed decision-making.
4. Analyze future trends in AI to assess and evaluate the potential implications and risks for industry and business automation and innovation.

Code	Title	Credits
<b>Writing</b>		<b>6</b>
WRT 105	Studio 1: Practices of Academic Writing	
WRT 205	Studio 2: Critical Research and Writing	
<b>Quantitative Skills</b>		<b>6-8</b>
Complete Quantitative Skills Sequence Requirement outlined in the Liberal Arts Core Guidebook.		
<b>Humanities</b>		<b>6</b>
Any course listed in the Humanities Division of the Liberal Arts Core Guidebook.		
<b>Social Science</b>		<b>6</b>
Any course listed in the Social Sciences Division of the Liberal Arts Core Guidebook.		
<b>Natural Science</b>		<b>3-4</b>
Any course listed in the Natural Sciences Division of the Liberal Arts Core Guidebook		
<b>Critical Reflections on Ethical &amp; Social Issues</b>		<b>3</b>

Any course listed in the Critical Reflections on Ethical& Social Issues Division of the Liberal Arts Core Guidebook.

**Students are required to select one Liberal Arts Core Course that meets the IDEA requirement**

**Professional Competencies Core 30**

The Professional Competencies Core covers fundamental knowledge and abilities required in the modern workplace, such as ethics and critical thinking, problem solving, human relations, diversity and change management, budgeting and resource management, and teamwork. The Professional Competencies Core includes an introductory course, and a capstone experience required of all B. P. S. students. Designed to draw together issues from across the entire B. P. S. program, these courses summarize concepts covered in the curriculum and develop students' skills in strategic decision-making that looks to the future.

**Required Courses 9**

BPS 144	Orange Immersion
BPS 211	Introduction to Professional Studies
BPS 411	Senior Seminar
FYS 101	First Year Seminar

**Choose 7 Courses from list below: 21**

ODL 303	Introduction to Change Management
BPS 315	Practical Financial Management for the Working Professional
ODL 425	Design Thinking for Organizations
ODL 335	Conflict Management
BPS 382	Leading Cooperative Negotiations
BPS 415	Digital and Business Communications for Professional Studies
ODL 313	Strategic Leadership
ODL 319	Global Leadership
CYB 233	Introduction to Computer Networking and Cloud Computing for Professional Studies
HCA 425	Wellness Consciousness
LGL 201	Introduction to Legal Systems and Legal Ethics
LGL 403	Business Organizations
PPM 301	Foundations of Project Management
PPM 315	Project Management Methodologies
PPM 325	Project Communications and Stakeholder Management
PST 367	Smart Cities and Urban Policy

**Major Requirements 30**

AIA 216	AI Automation Strategies
AIA 316	AI Semantic Data Storage and Integration
AIA 346	AI Applications and Solution Delivery
AIA 426	Applied AI in Business Systems
AIA 210	Foundations of Digital Automation
AIA 328	Predictive Analytics for Digital Automation
AIA 330	Applications and Dashboards in Digital Automation
AIA 340	Process Reengineering using Digital Automation
AIA 427	Sensor and IoT Data in Digital Automation
AIA 430	Generative AI in Digital Automation

**Electives 30 or however many needed to reach 120 credits**

**Total Credits 120-123**