

MS-ONLY OPTION

Master of Science from Purdue University

Schedule for Class Beginning 2025

Module	Date	Course Title	Credits
Year One			
Fall 2025	August 18 – November 6, 2025	PURDUE AGECE 684: Applied Quantitative Methods for Decision Making PURDUE AGECE 681: Economics for Food and Agribusiness Managers	3 3
	Residency October 27-31, 2025	Purdue residency session to be held in West Lafayette, IN. This residency is a continuation of the distance education courses above.	
Winter 2025	November 10, 2025 - February 19, 2026	KELLEY A521: Managing Accounting Information for Decision Making KELLEY M555: Integrated Marketing Strategy	3 3
		Thanksgiving Break: TBA Winter Break: TBA	
Spring 2026	February 23 - May 14, 2026	KELLEY C540: Financial Management KELLEY C550: Law and Ethics in Business	3 3
Summer 2026	May 18 – August 6, 2026	PURDUE AGECE 687: Problem Solving and Project Management for Decision Makers	3
		KELLEY P505: Operations Management – RECOMMENDED BUT NOT REQUIRED FOR M.S. ONLY	3
Year Two			
Fall 2026	August 17 – November 5, 2026	PURDUE AGECE 685: Quantitative Managerial Decision Making PURDUE AGECE 682: The Macroeconomic Trade and Policy Environment of the Food System	3 3
	Residency TBA	Held in West Lafayette, IN This residency is a continuation of the distance education courses above.	
Winter 2026	November 9, 2026 - February 18, 2027	KELLEY C555: Talent Management Thanksgiving Break: TBA Winter Break: TBA	3
Spring 2027	February 22 – May 13, 2027	PURDUE AGECE 688: Business Analysis Capstone Course PURDUE AGECE 686: Strategic Food and Agribusiness Management	3 3
	Residency May 9-15, 2027 (not confirmed)	International residency to be held at an international partner school. This residency is a continuation of the distance education courses above. Purdue Sessions Complete, M.S. Awarded	
	August 7, 2027	Commencement	IU: 15, Purdue: 21 Total: 36

Updated October 6, 2025

 = Purdue University Course  = Indiana University Course



***THIS CALENDAR SUBJECT TO CHANGE**

COURSE DESCRIPTIONS

YEAR ONE

FALL MODULE

PURDUE — AGECE 681: Economics for Food and Agribusiness Managers (3 cr.)

Addresses the institutional setting and structure of the food and agricultural markets. Encompasses both the domestic and international dimensions of the food chain, including consumer demand, global sourcing and worldwide production potential. Also focuses on managerial economics as applied to such topics as food system market structure, the nature and dimensions of domestic and global competition, the components of cost and revenue, and the food system value chain.

PURDUE — AGECE 684: Applied Quantitative Methods for Decision Making (3 cr.)

Explores the application of contemporary concepts and quantitative techniques for decision making in the face of uncertainty and/or multiple conflicting objectives. Focus is on application of these tools to decisions facing the food and agricultural business manager. Also explores key areas of risk management of the food and agricultural firm including price, production, strategic, regulatory, technology, market/competitor, political, financial, and exchange rate risk.

PURDUE residency one week during the fall module

WINTER MODULE

KELLEY — A521: Managing Accounting Information for Decision Making (3 cr.)

Provides a user-oriented understanding of how accounting information should be used for decision making. The first part of the course focuses on understanding financial accounting and reporting that is prepared for external stakeholders, while the second part of the course focuses on using internal accounting data to make better management decisions. The course uses a variety of cases, real financial data, and forum discussions.

KELLEY — M555: Integrated Marketing Strategy (3 cr.)

You will learn how to create complete marketing strategies for individual products and product lines. You will learn how to drive lifetime customer value by anticipating changes in customer needs, creating multi-segment product/service offerings, creating new brands and leveraging existing ones, and creating multi-channel platforms.

SPRING MODULE

KELLEY — C540: Financial Management (3 cr.) (Prerequisite A521)

Provides a working knowledge of the tools and analytical conventions used in the practice of corporate finance; establishes an understanding of the basic elements of financial theory to be used in application of analytical reasoning to business problems; and explores the interrelationship among corporate policies and decisions. Coursework will include problem sets, study group preparation of executive summary memos and critiques and use of PC spreadsheets to develop a planning model for a case focusing on funds requirement.

KELLEY — C550: Law and Ethics in Business (3 cr.)

The objective is to provide the student of management with a basic knowledge of the American legal system, the legal process and relevant substantive law that is necessary to making informed and effective business decisions. The law develops and evolves in response to changing social, economic, political and technological forces, and business decisions often carry long-lasting, as well as delayed effects. This course emphasizes the study of the law of torts, contracts and product liability. It is hoped that consideration of a study of these legal principles will give prospective managers insight into the dynamics of the legal process to enable them to predict as soundly as possible the future legal environment in which their present decisions will bear fruit.

SUMMER MODULE

PURDUE — AGECE 687: Problem Solving and Project Management for Decision Makers (3 cr.)

Develops a structured approach to problem solving, including problem definition, development of alternatives, identifying consequences, assessing trade-offs and making informed choices. Research methods and project management concepts will be addressed. A major business analysis project will be framed during the course, to be completed as part of the capstone course in business analysis.

KELLEY — P505: Operations Management (3 cr.) – RECOMMENDED NOT REQUIRED FOR MS ONLY

Surveys the management of operations in manufacturing and service firms. Diverse activities, such as determining the size and type of production process, purchasing the appropriate raw materials, planning, and scheduling the flow of materials and the nature and content of inventories, assuring product quality, and deciding on the production hardware and how it gets used, comprise this function of a company. Managing operations well requires both strategic and tactical skills. The topics considered include process analysis, workforce issues, materials management, quality and productivity, technology and strategic planning, together with relevant analytical techniques. The course makes considerable use of business cases. Most classes will be spent discussing the cases assigned. For each case, students will be asked to review actual company situations and apply technical and managerial skills to recommend courses of action. Most cases will be taken from manufacturing, but some will be service oriented. Several of the cases will focus on international companies or issues.

YEAR TWO

FALL MODULE

PURDUE — AGECE 685: Quantitative Managerial Decision Making (3 cr.)

Students explore appropriate statistical techniques to analyze different types of economic data for managerial decision-making. Students will learn about the appropriate design, development, and implementation of surveys followed by an opportunity to put theory into practice with the creation of their own survey. Next, the appropriate analysis and interpretation of survey data is examined from a conceptual and practical perspective. Key areas of risk management for food and agricultural firms are also examined making use of tools, including decision trees, payoff matrices, and scenario analysis.

PURDUE — AGECE 682: The Macroeconomic Trade and Policy Environment of the Food System (3 cr.)

Objectives are to expose students to the nature and importance of linkages between agriculture, international markets and the macro-economy, which are key to the fortunes of U.S. farmers and agribusiness in the future. Examination of theories and methods that might allow students to establish or quantify these linkages and evaluate the consequences of alternative policies, demonstrating the usefulness of economic analysis as a tool for understanding these issues. Also explores current policy issues facing the food and agribusiness industries, including international trade agreements, farm legislation, environmental regulations, and food safety and nutrition labeling rules, among other policy topics.

PURDUE residency one week during the fall module.

WINTER MODULE

KELLEY — C555: Talent Management (3 cr.)

This course emphasizes two central ideas. First, managers need to include talent development in how they define their "executive tool kit", and second, as companies continue to become more globally integrated, talent development practices must embrace the global scope of the organization to continue to be successful.

SPRING MODULE

PURDUE — AGECE 688: Business Analysis Capstone Project (3 cr.)

Capstone experience where students will work on team and individual projects focused on a comprehensive detailed analysis of an issue facing their employer or an issue of general interest to the student. It is expected that this project will draw on tools and concepts developed throughout the MS-MBA program. In addition, it is expected that the project will lead to an analysis that can be delivered to an appropriate audience of decision makers upon completion.

PURDUE — AGECE 686: Strategic Food and Agribusiness Management (3 cr.)

This course explores integration of the functional areas of business at the corporate level. Heavy emphasis is on analysis of the business environment, setting strategic direction, assessing core competencies, choosing a market position and developing competitive advantage, and organizational implementation and control in the context of the food and agricultural markets. The course makes heavy use of case studies based on firms in the food and agricultural marketplace.

PURDUE international residency one week final spring module.

PURDUE MS EARNED

36 total credits: 15 Kelley, 21 Purdue