This online transportation and logistics course will introduce graduate students to transportation solutions that leverage technology. Known as intelligent transportation solutions (ITS), information technologies help to move people and freight more safely, securely, and efficiently across the multimodal transportation network. Traditional technological approaches such as advanced traveler information and active traffic management are now part of a broader landscape that features deployments of connected, automated, and autonomous vehicle technologies with limitless possibilities. Students will gain an understanding of the most common intelligent transportation solutions, their benefits and shortcomings. They will learn how emerging technologies will transform and benefit the transportation system. They will develop the knowledge to evaluate impacts of policy and plan for the practical deployment of technology solutions in the real world.

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