

00:04 We believe that the demand for advanced skill sets in business
00:08 analytics area is growing, and to meet this demand and to make sure
00:11 that our students have the required technical skills.
00:14 We built a data science concentration that focuses on programming skills,
00:19 using Python for building predictive models and utilizing Python's
00:25 machine learning libraries to make sure that our students
00:27 are very knowledgeable about machine learning techniques
00:30 and also making sure that our students have the advanced
00:33 skill set in data management using some of the Microsoft technologies.
00:37 And also, more importantly,
00:39 we wanted to make sure that our students are very good at building
00:42 building prescriptive models and making sure that they can learn about
00:46 the optimization and statistical models to make better decisions.
00:52 The important skills from our first course in programming
00:56 will be they will be very good at programming in Python
00:59 and using Python for building machine learning models.
01:03 And also in our second course, they're going to learn about the advanced
01:07 data management techniques.
01:09 And they're going to be very good at using SQL as a database management
01:12 language and making sure that they can utilize the SQL servers
01:17 and to build very useful data warehousing processes.
01:22 In our third course they're going to learn about the advanced
01:25 optimization techniques to be able to build better decisions.
01:29 And they're going to more importantly,
01:31 they are going to go into some deep learning and reinforcement learning.
01:34 And they're going to also combine
01:35 these two as deep reinforcement learning models to make sure
01:39 that our students have the advanced skill sets to tackle complex business problems.
01:46 The job paths that our students can take advantage from this concentration
01:50 is the being a data scientist and being data engineer,
01:54 and they will have the skill sets to do well in these career paths.
01:59 And our students are also going to be very knowledgeable
02:01 about machine learning techniques and building predictive models. So in
02:05 terms of the machine learning specialist, they will be very good candidates.
02:10 And our students are also going to learn about some of the data
02:13 visualization and data exploration techniques using Python.
02:16 So any job related to data visualization
02:19 and data exploration will be very good for our students.
02:23 And more importantly, our students will build
02:25 the will understand the complexity of building complex business processes.
02:31 So from that perspective,
02:32 they will be very good candidates for being application developers.
02:35 They will know about the challenges of data management
02:39 and challenges from building predictive and prescriptive models.
02:43 And also they will be able to
02:45 utilize the cloud computing systems very much in our in our concentration.
02:50 So they will be very good at as cloud computing analysts as the job positions.