# ERP Courses, Computer & Software Skills, Curriculum Mapping

## ERP Courses

### ERP 2110
**Course Title:** Intro to ERP  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP ECC: FI, MM, SD, PP, CO, HR/HCM  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 4110
**Course Title:** ERP Systems in Health Care Industry  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** MedTech, OpenVista, etc.  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 4220
**Course Title:** Introduction to Enterprise Decision Dashboard Prototyping  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP BW/BI: SAP HANA Studio, HANA Cloud Platform (HCP), Fiori, Predictive Analytics/Lumira, SAP Designer Studio, SAP Visual Analytics & Statistics, IBM Watson Analytics  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 4610
**Course Title:** Customer Relationship Management  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** CRM HANA, CRM Cloud Platform (HCP), Service & Interaction Center, CRM Analytics, CRM Reporting; SAP Mobility (Excel), SAP Enterprise Miner  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 5110
**Course Title:** ERP Design & Implementation  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP ECC: FI, MM, SD, PP, CO, HR/HCM  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 5130
**Course Title:** ERP in Small- and Medium Enterprise  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** Microsoft Dynamics, Power BI, CRM  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 5111
**Course Title:** Dashboards, Scorecards, and Data Visualization  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP ECC: FI, DD, SAP Design Studio, SAP BW, BEx Query Reporting, Tableau, SAP Predictive Analytics/Lumira, IBM Watson Analytics Platform  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 5240
**Course Title:** Enterprise Portal and Mobile Application Development  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP Portal, Netweaver technology, Visual Composer, Web Dynpro, SAP Mobility (Excel), SAP UES  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 5310
**Course Title:** Supply Chain Management Systems  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP ECC: PP, MM, SD; SAP SCM, SAP Visual Analytics & Visual Statistics  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 5410
**Course Title:** Use of Business Intelligence  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP BI/BI: Data Warehouse, BEx queries, InfoCube; SAP HANA: BusinessObjects Predictive Analytics/Lumira & R, Web Intelligence, Business Explorer  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 5510
**Course Title:** ERP System Administration  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP BASIS, Solution Manager  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP 6220
**Course Title:** Data Modeling & Visualization Prototyping for Enterprise Decision Dashboards  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP HANA Studio (Data modeling, provisioning, ELTs), Predictive Analytics/Lumira, HANA Cloud Platform (HCP), Fiori, SAP Designer Studio, SAP Visual Analytics & Visual Statistics, IBM Watson Analytics, SAP Web IDE  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP/IST 6444
**Course Title:** Data Warehouse  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP BW/BI: Data Warehouse constructions, ELTs, Analytics, Reports, BEx Queries, SAP HANA Studio  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ERP/IST 6463
**Course Title:** Information Retrieval & Analysis  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAS Enterprise Miner, SAS Text Miner, SAP Predictive Analytics (Social Network Analysis)  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### BUS 1210
**Course Title:** Business Financial Management  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAP FI  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### BUS 3360
**Course Title:** Information Systems in Business Operations  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ME 3653
**Course Title:** Manufacturing  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ME 3654
**Course Title:** Operations and Production Mgt.  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ME 5611
**Course Title:** Supply Chain Management  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ME 5612
**Course Title:** Rapid Product Design and Optimization  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ME 5613
**Course Title:** Production Planning And Scheduling  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ME 5614
**Course Title:** Design for Manufacture  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ME 5615
**Course Title:** Integrated Product and Process Design  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### ME 5616
**Course Title:** Probabilistic Engineering Design  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### STAT 5300
**Course Title:** Principles and Practice of Computer Aided Design  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** X  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### STAT 5353
**Course Title:** Statistical Data Analysis using SAS  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAS Base  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### STAT 5354
**Course Title:** Statistical Data Analysis  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAS Base  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### STAT 5355
**Course Title:** Regression Analysis  
**Course Focus:** End User Application  
**End User Application:** Developer  
**Software/SAP Modules:** SAS Base  
**Course Schedule:** Spring, Summer, Fall  
**Required Certificate/Emphasis/Minor Courses:** X  
**ERP Emphasis:** R

### Note:
- **R:** Required Certificate/Emphasis/Minor Courses
- **E:** Elective Courses (ERP Emphasis: any three ERP courses; ERP Minor: 3 required courses and 2 elective courses; Digital Supply Chain Minor: 3 required courses and one elective)
- **ERP or R1 Graduate Certificate has two required courses and two elective courses; Digital Supply Chain Minor has three required courses and one elective)

### Note:
- **Note 1:** Choose ONE course from this group
- **Note 2:** Choose ONE course from this group
- **Note 3:** Choose ONE course from this group
- **Note 4:** Choose AT LEAST ONE from this group