

Prepared by the Department of Business  
Date of Departmental Approval: November 6, 2017  
Date Approved by Curriculum and Programs: December 13, 2017

Effective: Fall 2018

1. **Course Number:** BIT208  
**Course Title:** Advanced Medical Coding and Billing
2. **Description:** Students continue their mastery of diagnostic and procedural coding and billing through complex case studies and use of authentic medical records. Students are introduced to International Classification of Diseases ICD-10 CM and other diagnosis coding systems such as DSM-V. Code auditing for regulatory compliance is emphasized.
3. **Student Learning Outcomes:** Upon successful completion of this course, students are able to do the following.
  - Complete complex diagnostic coding case studies
  - Interpret authentic medical charts for coding purposes
  - Describe diagnostic related groups: DRG, APR-DRG, and RUGS
  - Describe the role of the Systematized Nomenclature of Medicine (SNOMED) in the electronic health record
  - Identify other coding systems including DSM-V and ICD O
  - Complete complex procedural coding case studies
  - Explain procedure based payment systems including Resource-Based Relative Value Scale (RBRVS)
  - Analyze the impact of coding and sequencing on reimbursement
  - Describe Quality Improvement Organizations (QIO) and their role in the payment process
  - Define managed care and capitation insurance plans
  - Analyze compliance issues including auditing and monitoring the coding process for regulatory compliance.
  - Review presentations from coding specialists
4. **Credits:** 3 credits
5. **Satisfies General Education Requirement:** No
6. **Prerequisite:** BIT207 (Medical Coding & Billing)
7. **Semester Offered:** Varies
8. **Suggested General Guidelines for Evaluation:** Students are evaluated through quizzes and a final test and case studies/coding projects.
9. **General Topical Outline (Optional):**