CIS: Cyber Security with a minor in Mathematics
Curriculum Monitoring Sheet
For CIS: Cyber Security Majors only - 120 hours for graduation (Preq.=Prerequisite)

Name: _____   **ID:** _____

I. General Education Hours *(45 to 46 hours - Required for All CIS students.)*

General Studies 1 ____
  GST 004

*Freshman Composition *(A grade of 'C' or above required.)* 6 __/__
  ENG 101 and ENG 102

Literature *(Preq.: ENG 101 and ENG 102)* 6 __/__
  HUM 225 or 226
  AND one of the following:
  HUM 225 or HUM 226,
  ENG 323, 324, 328, 329, 354

Mathematics *(A grade of 'C' or above required.)*
  MAT 115 3 ____

Natural Science *(One course with Lab)* 4 ____
  SCI 150 Biological, SCI 151 Physical, SCI 152 Chemical,
  NSC 260

World Civilizations *(One course)* 3 ____
  HIS 145, 146
  HIS 201, 202

Fine Arts, Speech, and Drama *(One course)* 2 - 3 ____
  ART 308, 309
  HUM 210, 211
  MUS 201, 202, 301, 302
  SPH 203, 217, or THR 305 *(Preq. THR 201)*

Foreign Language *(Two courses. One at the 102 level or higher)*
  French, Spanish 6 __/__

African-American Heritage *(One course)* 3 ____
  ART 310
  ENG 337, 338 *(Preq. ENG 101 and ENG 102)*
  HIS 225, 226
  MUS 333, 321
  NSC 290
  REL 235

Personal Wellness *(Both courses)* 2 __/__
  HLH 101 and PED 101

Computer Information Systems *(A grade of 'C' or above required.)*
  CIS 163 3 ____

Social Science 9 __/__/__
  ECO 231 *(A grade of 'C' or above required.)*
  AND two courses from one of three areas below:
  a) PSY 101, 201
  b) GEO 203, 204, 205, PSC 230, *or* SOC 200
  c) REL 201, 224, 311, 312, 316, *OR*
     PHI 211, 212, 213, 314, 316

TOTAL **48 – 49 credits**

  *Students who's Placement Test scores fall below certain levels may be advised to take ENG 100 and MAT 100. These courses do not count towards graduation.

II. SLSB Core Courses *(13 hours - Required for All CIS: Cyber Security Majors. A grade of 'C' or above required.)*

Course	Prerequisite	Hours	
ACC 201 – Financial Accounting	Preq.: MAT 160 or 170	4	____
FNB 300 – Principles of Finance	Preq.: ACC 201	3	____
MGT 200 – Intro to Legal Environments	Preq.: Sophomore standing	3	____
MGT 314 – Management and Organizational Behavior	Preq.: Junior standing	3	____

III. Information Systems Courses *(18 hours - Required for All CIS: Cyber Security Majors. A grade of 'C' or above required.)*

Course	Prerequisite	Hours	
CIS 263 – Networks and Telecommunication	Preq.: CIS 163	3	____
CIS 265 – Electronic Commerce	Preq.: CIS 163	3	____
CIS 360 – Database Design and Implementation	Preq.: CIS 263, CIS 265	3	____
CIS 362 – IS Hardware and Software	Preq.: CIS 263, CIS 265	3	____
CIS 364 – Systems Analysis and Design	Preq.: CIS 360, CIS 362	3	____
Plus one of the following:			
CIS 368 – Application Programming	Preq.: CIS 263, CIS 265	3	____
CIS 363 – Operating Systems	Preq.: CIS 360, CIS 362	3	____

IV. Cyber Security Courses *(9 hours - Required for All CIS: Cyber Security Majors. A grade of 'C' or above required.)*

Course	Prerequisite	Hours	
CIS 214 – Foundations of Cyber Crime and Security	Preq.: CIS 163	3	____
CIS 215 – Foundations of Digital Forensics	Preq.: CIS 163	3	____
CIS 462 – Network Security Management	Preq.: CIS 263	3	____

V. Investigative Courses *(9 hours - A grade of 'C' or above required.)*

Course	Prerequisite	Hours	
CCJ 180 – Introduction to Criminal Justice System		3	____
CCJ 205 – Criminology	Preq.: CCJ 180	3	____
CCJ 314 – Criminal Investigations	Preq.: CCJ 180	3	____

VI. Mathematics Courses *(21 hours - A grade of 'C' or above required.)*

Course	Prerequisite	Hours	
MAT 201 – Statistics	Preq.: MAT 115 or higher	3	____
MAT 175 – Pre-Calculus with Trigonometry	Preq.: MAT 115 or higher	4	____
MAT 214 – Analytical Geometry and Calculus I	Preq.: MAT 175	4	____
MAT 216 – Analytical Geometry and Calculus II	Preq.: MAT 214	4	____
MAT 221 – Linear Algebra	Preq.: MAT 214	3	____
MAT 327 – Differential Equations	Preq.: MAT 216	3	____

VII. Electives *(5 hours)*

Freshman Year

First Semester	Hrs.	Grade
ENG 101 – Freshman Composition I	3	
World Civilizations (HIS 145, 146, 201, or 202)	3	
French or Spanish (101)	3	
GST 004 – General Studies	1	
SPH 217 – Informative Speaking	2	
CIS 163 – Computer Information Systems	3	
TOTAL	**15**	

Second Semester	Hrs.	Grade
ENG 102 – Freshman Composition II	3	
MAT 175 – Pre-Calculus with Trigonometry	4	
French or Spanish (102)	3	
African American Heritage (ART 310; HIS 225, 226; ENG 337, 338; MUS 321, 333; or REL 235)	3	
CIS 214 – Found. of Cyber Crime and Security	3	
TOTAL	**16**	

Sophomore Year

First Semester	Hrs.	Grade
Literature I (HUM 225 or 226, and one of: HUM 225, HUM 226, ENG 323, ENG 324, ENG 328, ENG 329, ENG 354)	3	
ACC 201 – Financial Accounting	4	
Natural Science with Lab (SCI 150, 151, 152, or NSC 260)	4	
CCJ 180 – Intro. to the Criminal Justice System	3	
PED 101 or HLH 101	1	
TOTAL	**15**	

Second Semester	Hrs.	Grade
Literature II (HUM 225 or 226, and one of: HUM 225, HUM 226, ENG 323, ENG 324, ENG 328, ENG 329, ENG 354)	3	
CIS 215 – Foundations of Digital Forensics	3	
CCJ 205 - Criminology	3	
CIS 265 – Electronic Commerce	3	
ECO 231 – Macro-Economics	3	
TOTAL	**15**	

Junior Year

First Semester	Hrs.	Grade
MGT 200 – Intro. to Legal Environments	3	
PED 101 or HLH 101	1	
Social Science (PSY 101, PSY 201, GEO 203, PSC 230, SOC 200)	3	
MAT 214 – Analytical Geometry and Calculus I	4	
CIS 263 – Networks and Telecommunication	3	
TOTAL	**14**	

Second Semester	Hrs.	Grade
FNB 300 – Principles of Finance	3	
CIS 362 – IS Hardware and Software	3	
MAT 216 – Analytical Geometry and Calc. II	4	
Social Science (REL 224, REL 311, REL 312, REL 316, PHI 211, PHI 212, PHI 213, PHI 314, PHI 316)	3	
MAT 201 – Statistics	3	
TOTAL	**16**	

Senior Year

First Semester	Hrs.	Grade
CIS 368 – Application Programming OR CIS 363 – Operating Systems	3	
CIS 360 – Database Design and Implement.	3	
CCJ 314 – Criminal Investigations	3	
MGT 314 – Management and Org. Behavior	3	
MAT 221 – Linear Algebra	3	
TOTAL	**15**	

Second Semester	Hrs.	Grade
CIS 364 – System Analysis and Design	3	
MAT 327 – Differential Equations	3	
CIS 462 – Network Security Management	3	
Free elective	3	
Free elective	2	
TOTAL	**14**	

Notes:

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