UDATES TO THE LIST OF ELECTIVES DUE TO THE REVISED B.S. PROGRAM IN COMPUTER ENGINEERING

List of Electives

Added:

The following courses have been added to the new curriculum replacing the ICS Elective (was either ICS 353 "Design and Analysis of Algorithms" or ICS 313 "Fundamentals of Prog. languages) and a COE Elective"):

List of IT electives

Any COE 4xx course
or
ICS 353 Design and Analysis of Algorithms
ICS 324 Database Systems
SWE 360 Principles of Software Engineering

Removed*:*

Only MGT210 was removed from the list of electives from other departments

Any of the general elective courses:
GS 3xx or GS 4xx courses → **GS courses were restricted to 3xx and 4xx**

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3. **LIST OF ELECTIVES - REVISED B.S. PROGRAM IN COMPUTER ENGINEERING**

General Electives

List of COE electives

Any COE4xx course → **no change**

List of IT electives

Any COE 4xx course.

or
ICS 353 Design and Analysis of Algorithms
ICS 324 Database Systems
SWE 360 Principles of Software Engineering

These were added to the new curriculum replacing the ICS Elective (was either ICS353 Design and Analysis of Alg. or ICS313 Fundamentals of Prog. languages) and a COE Elective).

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List of General Electives

1st from COE:

Any COE 4xx course → **Not new, though was not explicitly mentioned anywhere**

2nd from ICS & SWE:

Any ICS 3xx or ICS 4xx or SWE xxx course → **Not new, though was not explicitly mentioned anywhere**

3rd from other departments: → **Only MGT210 was removed from this list**

ARE 221 Computer Graphics
ARE 443 Computer-Aided Design I
ARE 444 Computer-Aided Design II
CHE 453 Mathematical Methods in Chemical Engineering
ECON 403 Engineering Economics
EE 207 Introduction to Signals & Systems
EE 303 Electronics II
EE 340 Electromagnetics
EE 370 Communications Engineering I
EE 380 Control Engineering I
EE 406 Digital Signal Processing
EE 415 Analog Integrated Circuits
EE 417 Communication Engineering II
EE 420 Optical Fiber Communications
EE 430 Information Theory & Coding
EE 432 Digital Control Systems
EE 433 Applied Control Engineering
MATH 301 Methods of Applied Mathematics
MATH 311 Advanced Calculus I
MATH 321 Introduction to Numerical Computing

MATH 421 Introduction to Topology
MATH 425 Graph Theory
MATH 430 Introduction to Complex Variables
MATH 442 Calculus of Variations & Control Theory
MATH 460 Applied Matrix Theory
MATH 465 Ordinary Differential Equations
MATH 470 Partial Differential Equations
MATH 471 Numerical Analysis I
MATH 472 Numerical Analysis II
MATH 480 Introduction to Linear & Nonlinear Prog.
MGT 301 Principles of Management
MIS 301 Business Systems Analysis & Design I
MIS 305 Advanced Business Application Programming
MIS 401 Business Systems Analysis & Design II
MIS 490 Information Resources Management
PETE 343 Petroleum Statistical Analysis
PETE 446 Numerical Reservoir Simulation
PHYS 201 General Physics III
PHYS 211 Optics
PHYS 212 Modern Physics
PHYS 301 Classical Mechanics I
PHYS 302 Classical Mechanics II
PHYS 303 Experimental Physics I
PHYS 304 Experimental Physics II
PHYS 373 Introduction to Computational Physics
SE 301 Numerical Methods
SE 303 Operations Research I
SE 305 Optimization Methods
SE 312 Instrumentation
SE 320 Quality Control
SE 325 Engineering Statistics
SE 405 Stochastic Systems Simulation
SE 421 Operations Research II
SE 438 Instrumentation for Process Control
STAT 320 Quality Control Methods
STAT 351 Operations Research I
STAT 352 Operations Research II
STAT 411 Mathematical Statistics I
STAT 412 Mathematical Statistics II
STAT 415 Introduction to Stochastic Processes
STAT 430 Experimental Design
STAT 450 Demographic Methods
STAT 460 Time Series Analysis
STAT 465 Sampling Theory

List of Free electives

Any of the general elective courses:
GS 3xx or GS 4xx courses → **GS courses were restricted to 3xx and 4xx**

Courses Counted in the Major GPA

Any COExxx , ICSxxx or SWExxx courses**.** → **Nothing new**