

Web Development Track ###

\*\*Year 1\*\*

\*\*First Semester (16 CHs)\*\* -

AR111, Arabic Communication Skills I, 3 CH, No prerequisite -

EL111, English Communication Skills I, 3 CH, Prerequisite: EL099 -

TU170, Computing Essentials, 3 CH, No prerequisite -

GR101, Self-Learning Skills, 3 CH, No prerequisite -

MT129, Calculus and Probability, 4 CH, Prerequisite: EL099 -

\*\*Second Semester (17 CHs)\*\* -

AR112, Arabic Communication Skills II, 3 CH, Prerequisite: AR111 -

EL112, English Communication Skills II, 3 CH, Prerequisite: EL111 -

TM105, Introduction to Programming, 4 CH, Prerequisite: EL111 -

MT131, Discrete Mathematics, 4 CH, Prerequisite: EL111 -

University Requirement / Elective, 3 CH, No Prerequisite -

\*\*Year 2\*\*

\*\*First Semester (19 CHs)\*\* -

MT132, Linear Algebra, 4 CH, Prerequisite: EL111 -

TM103, Computer Organization and Architecture, 4 CH, Prerequisite: EL111 -

TM111, Introduction to Computing and IT (I), 8 CH, Prerequisite: EL111 -

\*\*Second Semester (16 CHs)\*\* -

M251, Object-Oriented Programming using Java, 8 CH, Prerequisite: TM105

TM112, Introduction to Computing and IT ( II ), 8 CH, Prerequisite: TM111 -

Faculty Requirements / Electives, 3 CH, No prerequisite -

**\*\*Year 3\*\***

**\*\*First Semester (20 CHs)\*\* -**

M269, Algorithms, Data Structures and Computability, 8 CH, Prerequisite: TM105  
MT131

T227, Change, Strategy and Project at Work, 8 CH, Prerequisite: TM112

**\*\* Second Semester (19 CHs)\*\***

TM354, Software Engineering, 8 CH, Prerequisite: M251-

TT284, Web Technologies, 8 CH, Prerequisite: TM112-

Faculty Requirements / Electives, 3 CH, No prerequisite –

**\*\*Year 4\*\***

**\*\*First Semester (20 CHs)\*\***

TM352, Web, Mobile and Cloud Technologies, 8 CH, Prerequisite: TT284 -

TM356, Interaction Design and the User Experience, 8 CH, Prerequisite: TT284 -

TM471-A, WD, Project-A, 4 CH, Prerequisite: TM352 or TM354 or TM356 -

**\*\*Second Semester (8 CHs)\*\***

CAS400, Applied Studies For Computing Students, 4 CH, Prerequisite: TM352-

TM471-B, WD, Project-B, 4 CH, TM471-A

(Computer Science Track)

**\*\*Year 1\*\***

**\*\*First Semester (16 CHs)\*\* -**

GR101, Self-Learning Skills, 3 CH, No prerequisite -

AR111, Arabic Communication Skills I, 3 CH, No prerequisite -

EL111, English Communication Skills I, 3 CH, Prerequisite: EL099 -

TU170, Computing Essentials, 3 CH, No prerequisite -

**MT129**, Calculus and Probability, 4 CH, Prerequisite: EL099 -

**\*\*Second Semester (17 CHs)\*\* -**

AR112, Arabic Communication Skills II, 3 CH, Prerequisite: AR111 -

EL112, English Communication Skills II, 3 CH, Prerequisite: EL111 -

**MT131**, Discrete Mathematics, 4 CH, Prerequisite: EL111 -

TM105, Introduction to Programming, 4 CH, Prerequisite: EL111 -

University Requirement / Elective, 3 CH, No prerequisite , - -

**\*\*Year 2\*\***

**\*\*First Semester (20 CHs)\*\* -**

TM111, Introduction to Computing and Information Technology I, 8 CH, -  
Prerequisite: EL111

**MT132**, Linear Algebra, 4 CH, Prerequisite: EL111 -

M251, Object-Oriented Programming using Java, 8 CH, Prerequisite: TM105 -

**\*\*Second Semester (20 CHs)\*\* -**

TM112, Introduction to Computing and Information Technology II, 4 CH, -  
Prerequisite: TM111

TM103, Computer Organization and Architecture, 8 CH, Prerequisite: EL111 -

M269, Algorithms, Data Structures and Computability, 8 CH, Prerequisite: -  
MT131, TM105

**\*\*Year 3\*\***

**\*\*First Semester (16 CHs)\*\* -**

TM240, Computer Graphics and Multimedia, 4 CH, Prerequisites: MT132, -  
TM105

T227, Change Strategy an Project at Work, 8 CH, Prerequisites: TM112

,TM298, Operating Systems, 4 CH, Prerequisites: TM103, TM105 -

**\*\*Second Semester (16CHs)\*\*-**

TM351, Data Management and Analysis, 8 CH, Prerequisites: M251 & M269,-

TM354, Software Engineering Operating Systems, 8 CH, Prerequisites: M251  
M269

**\*\*Year 4\*\***

**\*\*First Semester (15 CH)\*\*-**

**TM366, Artificial intelligence, 8 CH, Prerequisites: M269**

TM471-A, CS Project-A, 4 CH, Prerequisites: TM351 or TM354

Faculty Requirements/ Electives, 3 CH, no prerequisites.

**\*\*Second Semester (11 CH)\*\*-**

TM471-2, CS Project-B, 4 CH, Prerequisites: TM471-A

CAS400, Applied Studies For Computing Students, 4 CH, Prerequisites: TM354

Computing with Business Track ###

**\*\*Year 1\*\***

**\*\*First Semester (16 CHs)\*\* -**

AR111, Arabic Communication Skills I, 3 CH, No prerequisite -

EL111, English Communication Skills I, 3 CH, No prerequisite -

TU170, Computing Essentials, 3 CH, No prerequisite -

GR101, Self-Learning Skills, 3 CH, No prerequisite -

MT129, Calculus and Probability, 4 CH, Prerequisite: EL099 -

**\*\*Second Semester (17 CHs)\*\* -**

AR112, Arabic Communication Skills II, 3 CH, Prerequisite: AR111 -

EL112, English Communication Skills II, 3 CH, Prerequisite: EL111 -

TM105, Introduction to Programming, 4 CH, Prerequisite: EL111 -

MT131, Discrete Mathematics, 4 CH, Prerequisite: EL111 -

University Requirement / Elective, 8 CH, No Prerequisite -

**\*\*Year 2\*\***

**\*\*First Semester (20 CHs)\*\* -**

MT132, Linear Algebra, 4 CH, Prerequisite: EL112 -

TM111, Introduction to Computing and Information, 8 CH, Prerequisite: EL111 -

BUS110, Introduction to Business, 8 CH, Prerequisite: EL111 -

M251, Web, Mobile and Cloud Technologies, 8 CH, Prerequisite: TM105 -

**\*\*Second Semester (20 CHs)\*\* -**

B207A, Shaping business opportunities A, 8 CH, Prerequisite: BUS110 -

M251, Object-Oriented Programming using Java, 8 CH, Prerequisite: TM105 -

TM103, Computer Organization and Architecture, 4 CH, Prerequisite: EL111 -

**\*\*Year 3\*\* -**

**\*\*First Semester (19 CHs)\*\* -**

M269, Algorithms Data Structures and Computability, 8 CH, Prerequisite: -  
TM105

B207B, Shaping business opportunities B, 8 CH, Prerequisite: B207A -

Faculty Requirements/ Electives, 3 CH, No pre requisite -

**\*\*Second Semester (16 CHs)\*\* -**

TM352, Web Mobile and Cloud Technologies, 8 CH, Prerequisite: M251 -

BUS310, Strategic Management, 8 CH, Prerequisite: B207B-

**\*\*Year 4\*\* -**

**\*\*First Semester (15 CHs)\*\* -**

TM351, Data Management and Analysis, 8 CH, Prerequisite: M269 -

TM471-A, CwB Project-A, 4 CH, Prerequisite: TM471-A

Applied Studies For Computing Students, No CHs, No prerequisite , - -

**\*\*Second Semester (8 CHs)\*\* -**

TM471-B, CwB Project-B, 4 CH, Prerequisite: BUS310 -

CAS400, Applied Studies For Computing Students, 4 CH, Prerequisite: TM352 -

## Networking and Security Track

### \*\*Year 1\*\*

#### \*\*First Semester (12 CHs)\*\* -

GR101, Self-Learning Skills, 3 CH, No prerequisite -

AR111, Arabic Communication Skills I, 3 CH, No prerequisite -

EL111, , English Communication Skills, 3 CH, Prerequisite: EL099 -

TU170, I Computing Essentials, 3 CH, No prerequisite -

#### \*\*Second Semester (18 CHs)\*\* -

AR112, Arabic Communication Skills II, 3 CH, Prerequisite: AR111 -

EL112, English Communication Skills II, 3 CH, Prerequisite: EL111 -

TM111, Introduction to Computing and Information Technology I, 8 CH, -  
Prerequisite: EL111

MT129, Calculus and Probability, 4 CH, Prerequisite: EL099 -

### \*\*Year 2\*\*

#### \*\*First Semester (19 CHs)\*\* -

TM105, Introduction to Programming, 4 CH, Prerequisite: EL111 -

MT131, Discrete Mathematics, 4 CH, Prerequisite: EL111 -

TM112, Introduction to Computing and Information Technology II, 8 CH, -  
Prerequisite: TM111

University Requirement / Elective, 3 CH, No prerequisite –

#### \*\*Second Semester (20 CHs)\*\* -

M251, A Object-Oriented Programming using Java Advanced Networking, 8 CH,  
Prerequisite: TM105

TM132, Linear Algebra, 4 CH, Prerequisite: EL111

T216A, Cisco Networking (CCNA)-, 8 CH, Prerequisite: TM112 -

TM352, Computer Organization and Architecture, 8 CH, Prerequisite: M251 -

**\*\*Year 3\*\***

**\*\*First Semester (20 CHs)\*\* -**

T216B, Cisco Networking (CCNA)-B, 8 CH, Prerequisite: T216A

T227, Change, Strategy and Project at Work, 8 CH, Prerequisite: TM112 -

T316, N&S, Project-A, 8 CH, Prerequisites: T216B, TM260 -

TM103, Computer Organization and Architecture, 4 CH, Prerequisite: EL111 -

**\*\*Second Semester (19 CHs)\*\* -**

T316, Advanced Networking, 8 CH, Prerequisite: T216B-

TM352, Web, Mobile and Cloud Technologies, 8 CH, Prerequisite: M251-

Faculty Requirements / Electives, 3 CH, No prerequisite –

TM471-B, N&S, Project-B, 4 CH, Prerequisites: TM471-A -

**\*\*Year 4\*\***

**\*\*First Semester (15 CHs)\*\* -**

T318, Applied Network Security, 8 CH, Prerequisites: T216B, TM260 -

TM471-A, N&S, Project-A, 4 CH, Prerequisites: T316 or T318 or TM355-

Faculty Requirements / Electives, 3 CH, No prerequisite -

**\*\*Second Semester (8 CHs)\*\* -**

CAS400 Applied Studies For Computing Students, 4 CH listed, Prerequisite:

TM352



"Advising Plan - Information Technology & Computing Track"

Year 1 ###

\*\* :First Semester (16 CHs) \*\*

AR111, Arabic Communication Skills I, 3 CH, No prerequisite -

GR101, Self-Learning Skills, 3 CH, No prerequisite -

EL111, English Communication Skills I, 3 CH, Prerequisite: EL099 -

TU170, Computing Essentials, 3 CH, No prerequisite -

MT129, Calculus and Probability, 4 CH, Prerequisite: EL099 -

\*\* :Second Semester (17 CHs) \*\*

AR112, Arabic Communication Skills II, 3 CH, Prerequisite: AR111 -

EL112, English Communication Skills II, 3 CH, Prerequisite: EL111 -

TM103, Computer Organization and Architecture, 4 CH, Prerequisite: EL111 -

MT131, Discrete Mathematics, 4 CH, Prerequisite: EL111 -

University Requirement / Elective, 3 CH, No prerequisite , - -

Year 2 ###

\*\* :First Semester (16 CHs) \*\*

TM105, Introduction to Programming, 4 CH, Prerequisite: EL111 -

TM111, Introduction to Computing and Information Technology I, 8 CH,  
Prerequisite: EL111 -

MT132, Linear Algebra, 4 CH, Prerequisite: EL111 -

\*\* Second Semester (19 CHs) \*\*

TM112, Introduction to Computing and Information Technology II, CH8, -  
Prerequisite: TM111

M251, Object-Oriented Programming using Java, 8 CH, Prerequisite: TM105 -  
Faculty Requirements / Electives, 3 CH, No prerequisite , - -

Year 3 ###

\*\*:First Semester (16 CHs)\*\*

M269, Algorithms, Data Structures and Computability, 8 CH, TM105 –  
T215A, Communication and Information Technologies-A, 8 CH Prerequisite: -  
TM112

\*\*:Second Semester (19 CHs)\*\*

T215B, Communication and Information Technologies-B, 8CH, Prerequisite:  
T215A

TM351, Data Management and Analysis, 8 CH, Prerequisite: M269  
Faculty Requirements / Electives, 3 CH, No prerequisite

Year 4 #

\*\*:First Semester (20 CHs)\*\*

TM354, Software Engineering, 8 CH, Prerequisite: M251  
TM355, Communications Technology, 8 CH, Prerequisite: T215B  
TM471-A, ITC, Project-A, 4 CH, Prerequisite: TM351

\*\*:Second Semester (8 CHs)\*\*

TM471-B, ITC, Project-B, 4 CH, Prerequisite: TM471-A  
CAS400, Applied Studies For Computing Students, 4 CH, Prerequisite: TM354