

Computer Network I

Road map

Dr. Ahmed ElShafee

Dr. Ahmed ElShafee, ACU Fall 2011, Distributed Systems

General information

Course name, Code	Network I
Pre-requisite	Data Communication
Credit hours	3
Number of lectures	15
Date, time, place	Tuesday, 09:00 AM ~ 12:00 PM Class 1216
Text book	W.Stallings, "Data and Computer Communications", 8 th edition, 2008.

Email	email@draelshafee.net
Presentations and materials	www.Draelshafee.net

Course description

Provides the basic skills to understand, and operate a low level or simple computer network

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Course objective

This course is designed to provide the students with the fundamentals of a low level or simple computer network

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Course outcomes

Learning Outcomes

After completing this course the students will be :

- 1) Familiar with the fundamentals of a computer network.
- 2) Able to operate and maintain computer network convenient for different applications and case studies.

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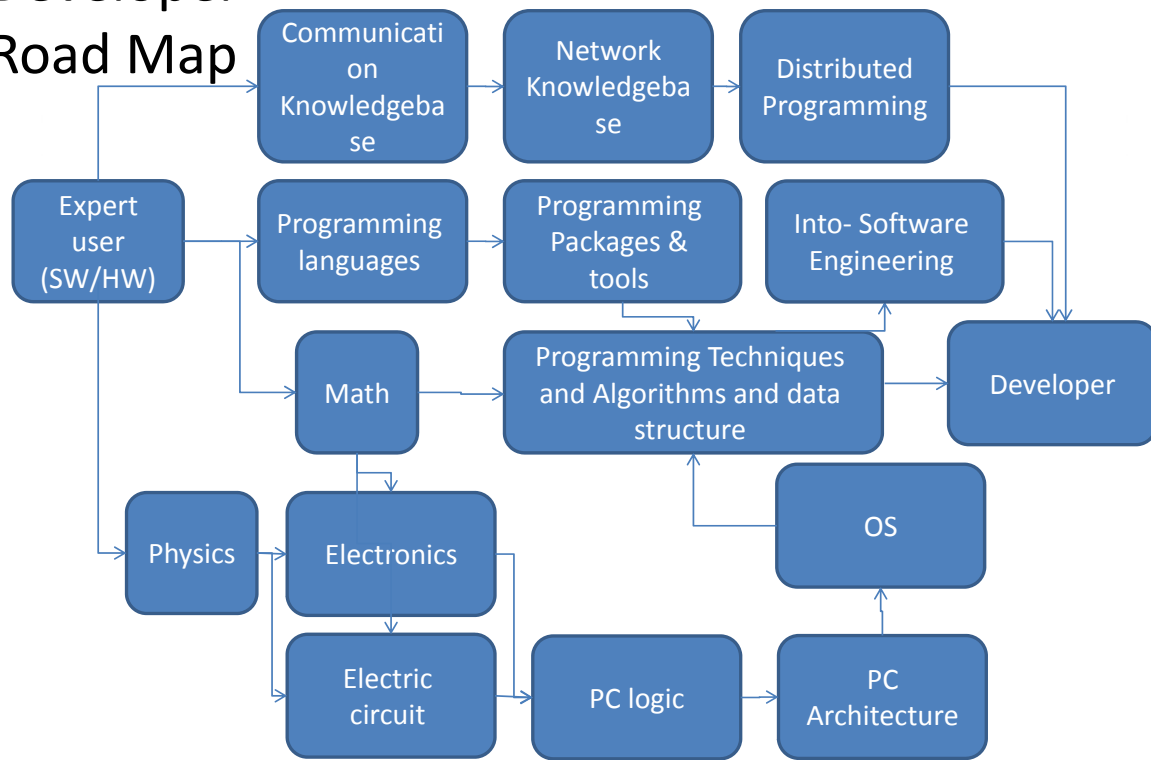
Road map



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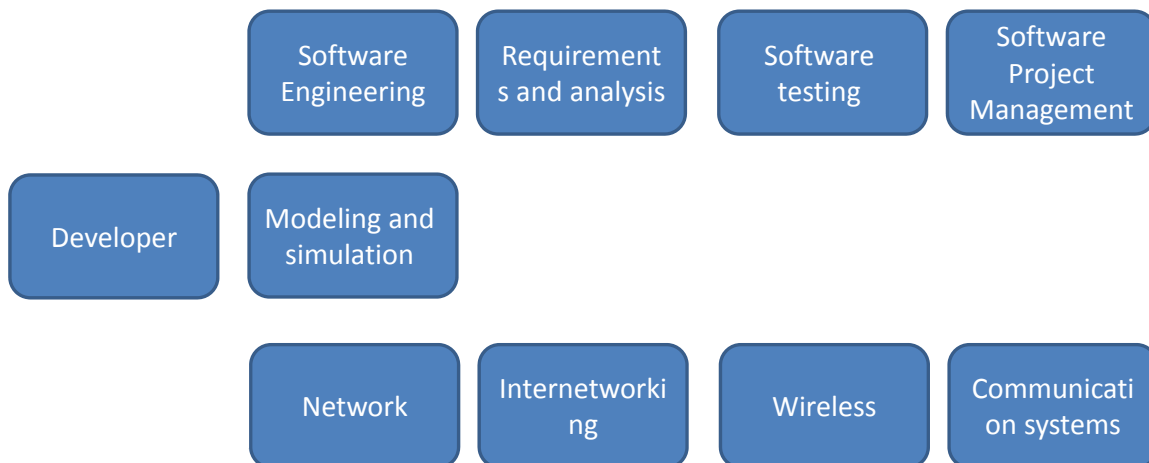
Developer Road Map



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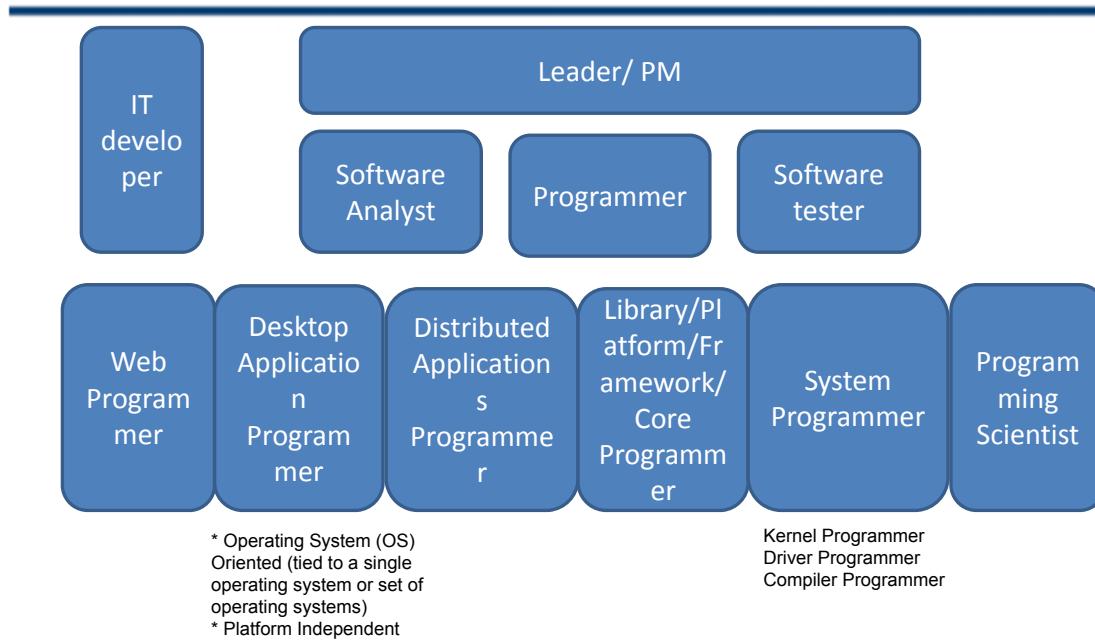
Software and network dept. road map



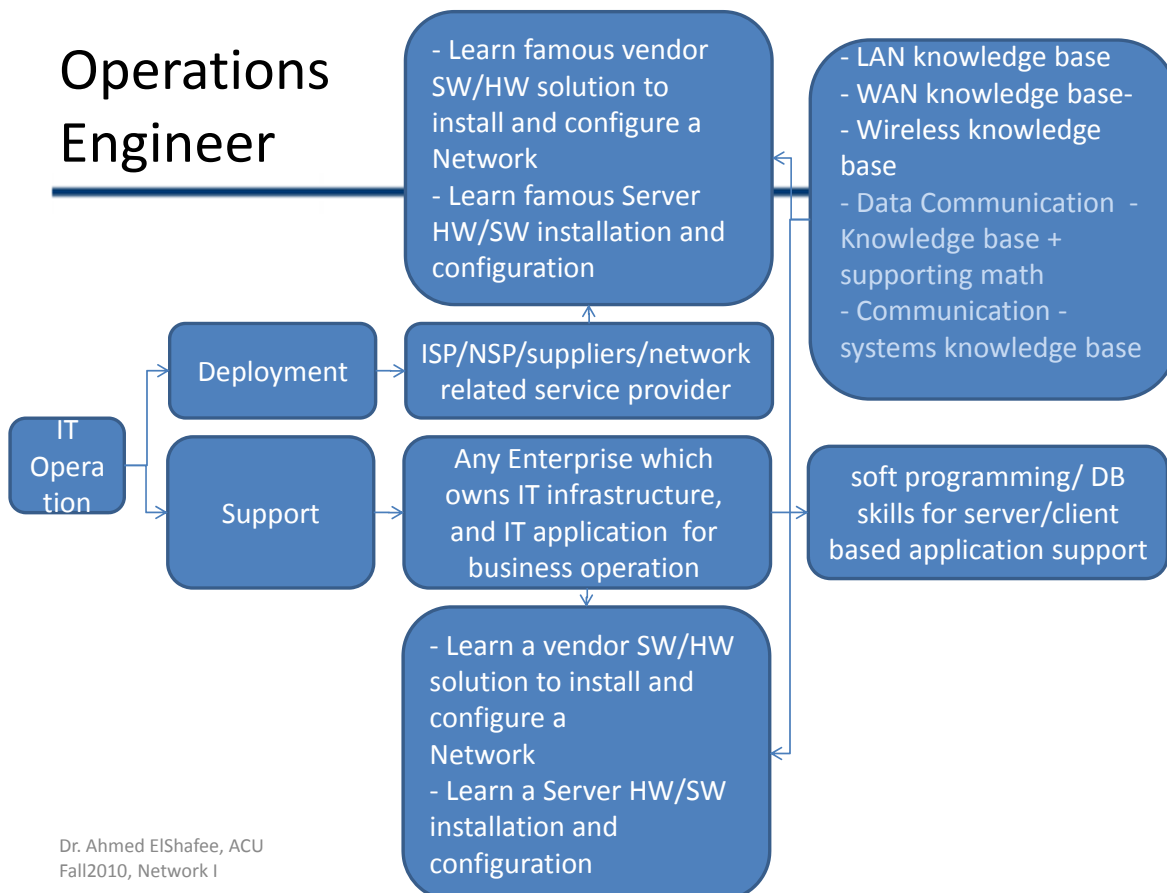
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Software engineer



Operations Engineer



Network I Road map

1	Introduction to Computer Networking Concepts
2	Networking architecture (Layerd model)
3	Circuit switching networks
4	Packet switching & Frame Relay networkd
5	ATM
6	Routing in Switched Networks
7	Congestion in Data Networks
8	Data Link Control Protocols

Thanks,...