Network Engineering

Associate in Applied Science in Information Technology, Network Engineering

to

Bachelor in Science in Information Technology: Networking Administration & Information Security

Delaware County Community College			Peirce College		
First Semester			*First Semester*		
ENG 100	Composition I	3	ENG 101	English Composition	3
DPR 100	Introduction to Information Technology	3	BIS 111	Application Software	3
NET 110	Network Communications	3	ITN 130	Networking Fundamentals	3
NET 115	Microsoft Windows 7	4		Information Technology Elective	5
	Social Science Elective[1]	3		Social Science Core Area	3
		16			15
Second Semester			*Second Semester*		
ENG 112	English Composition II: Writing About Literature	3	ENG 103	Rhetoric & Research	3
DPR 227	Introduction to PC Support	3		Information Technology Elective	3
DPR 228	PC Repair & Maintenance	3	ITN 120	PC Fundamentals	3
NET 230	Network Operating Systems Concepts	4		Information Technology Elective	3
COMM 111	Public Speaking	3	COMM 112	Effective Speech Communication	3
		16			15
Third Semester			*Third Semester*		
IMM 120	Web Page Design & Development	3	BIS 201	HTML & the World Wide Web	3
NET 116	Managing Microsoft Windows Server 2008	4	ITN 200	Server Administration	3
NET 232	Network Design & Implementation	4	ITN 301	Linux Admin., Networking & Securit	3
	Mathematics Elective[2]	3-4	MAT 101	Introduction to College Math	3
	Science Elective	3-4		Depends on course selection	3
		17-19			15
Fourth Semester			*Fourth Semester*		
NET 117	Microsoft Windows Server 2008 Active Directory	4	ITN 410	Server Administration II	3
NET 231	Network Systems Administration	4		Information Technology Elective	3
NET 242	Network Security Concepts	4	ITN 144	Introduction to Network Security	3
NET 210	CISCO Network Support	6	ITN 312	Network Routing & Switching & IT Elective	6
	Mathematics Elective[2]	3-4	MAT 102	College Algebra	3
		21-22			18
	Total Credits:	70-73		Total Credits:	63

Notes:

1. Choose from ECO, POL, PSY, or SOC. If a student completes a History (HIS) at DCCC to satisfy the social science elective, it will transfer to Peirce as a humanities elective. Peirce requires 6 credits in humanities electives; one 3 credit course must be completed at Peirce, and the additional 3 credits can be completed at DCCC. If a student has completed a HIS course and an additional 3 credit humanities course one of these courses will be unused in transfer.

2. Choose from a math sequence: MAT 120-121, MAT 135-136, or MAT 151-152. The MAT 120-121 sequence is preferred by Peirce.

** A maximum of 90 credits may transfer to Peirce College. Please meet with a transfer advisor to discuss additional courses that can be completed at DCCC beyond the associates degree. **

5/2016

Peirce College
Bachelor of Science in Information Technology
(Concentration in Networking, Administration, and Information Security)

Additional General Education & Program Requirements

The Following Peirce General Education and Program Requirements may also be completed at DCCC. Please keep in mind that a maximum of 90 credits will transfer to Peirce; therefore, DCCC students may transfer 27 additional credits beyond the Network Engineering Associate degree.

GENERAL EDUCATION REQUIREMENTS

PEIRCE COURSE	CREDITS	DCCC EQUIVALENT
Science Core Area	3	Any 3 or 4-credit Science Course
Social Science Core Area**	3	Any ECO, POL, PSY, or SOC Course
General Education Core Course*	3	Any Transferable General Education Course*

*An additional English/Communication, Math, Humanities, Social Science, or Science Course. An IT course will not satisfy the General Education Core Requirement.

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PROGRAM REQUIREMENTS

PEIRCE COURSE	CREDITS	DCCC EQUIVALENT
BIS 112- Programming Concepts	3	DPR 110** or DPR 104** or DPR 108*** or DPR 205***
BIS 235- Database Management Systems	3	DPR 113
MAT109- Statistics I	3	BUS 220 or MAT 210
Program Electives****	12	NET 115, NET 230, NET 231, DPR 227****

**Beginning Spring 2016
***Prior to Spring 2016
****The Program Electives will be satisfied through the completion of DCCC's Network Engineering Associate Degree.

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NET 110	Network Communications	3	ITN 130	Networking Fundamentals	3
NET 115	Microsoft Windows 7	4		Information Technology Elective	3
	Social Science Elective (DJ)[1]	3		Social Science Core Area	3
		16			15
Second Semester			*Second Semester*		
COMM111	Public Speaking	3	COMM 112	Effective Speech Communication	3
DPR 227	Introduction to PC Support	3		Information Technology Elective	3
DPR 228	PC Repair & Maintenance	3	ITN 120	PC Fundamentals	3
NET 230	Network Operating Systems Concepts	4		Information Technology Elective	3
	Humanities Elective (GU)[3]	3		Humanities Core Area	3
		16			15
Third Semester			*Third Semester*		
IMM 120	Web Page Design & Development	3	BIS 201	HTML & the World Wide Web	3
NET 116	Managing Microsoft Windows Server 2008	4	ITN 200	Server Administration	3
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3. Choose from ART, DRA, ENG 115 or above, ARB, CHI, GER, HUM, ITA, MUS, PHI, RUS, SPA, FRE, or COMM 100 or above

4. Choose from a math sequence: MAT 120-121, MAT 135-136, MAT 151-152, or MAT 160-161

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Peirce College
Bachelor of Science in Information Technology
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GENERAL EDUCATION REQUIREMENTS

PEIRCE COURSE	CREDITS	DCCC EQUIVALENT
ENG103- Rhetoric & Research	3	ENG112
Science Core Area	3	Any 3 or 4-credit Science Course
Social Science Core Area**	3	Any ECO, POL, PSY, or SOC Course
General Education Core Course*	3	Any Transferable General Education Course*

*An additional English/Communication, Math, Humanities, Social Science, or Science Course. An IT course will not satisfy the General Education Core Requirement.

** If a student completes a History (HIS) at DCCC to satisfy the social science elective, it will transfer to Peirce as a humanities elective. Peirce requires 6 credits in humanities electives; one 3 credit course must be completed at Peirce, and the additional 3 credits can be completed at DCCC. If a student has completed a HIS course and an additional 3 credit humanities course one of these courses will be unused in transfer. Student is then advised to take 6 credits total in approved social science courses.

PROGRAM REQUIREMENTS

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BIS 112- Programming Concepts	3	DPR 110** or DPR 104** or DPR 108*** or DPR 205***
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