For Students Enrolled in:
DPRD: Information Technology, Networking Engineering, Associate in Applied Science: 201409 to Present

Program Description: The Associate in Applied Sciences in the Information Technology fields at Delaware County Community College blends the theoretical with the practical. Students are offered a choice of specializations: Programming, Computer Applications, Network Engineering, Web Development, Interactive Multimedia, Game Development and Help Desk. Students have the benefit of classroom instruction, the use of specialized laboratory facilities and participation in co-curricular programs in their specialization area. All students interested in Information Technology majors take core courses required for the associate in applied science and in addition, attend required information technology core courses. Students select an option with specialized courses and related electives. All students are required to take the general education core courses listed below. In addition, students take 12 credits from the required Information Technology Core. The student will choose one of seven options to complete the requirements for specific the associate's degree.

The Network Engineering option prepares students for employment as networking specialists in the communications industry. The material presented in the Network Engineering curriculum provides students with the knowledge and skills necessary to successfully complete many of the exams required for Computing Technology Industry Association (CompTIA) and Microsoft (MS) certifications.

Program Outcomes:
In conjunction with the general education and Information Technology (IT) core requirements, the student should be able to:

- Install and configure a Linux network operating system.
- Install and configure a MS Windows Network operating system
- Administer, manage, and troubleshoot a Linux operating system.
- Administer, manage, and troubleshoot a MS Windows operating system.
- Analyze, test, and propose solutions for problems relating to network cabling, hubs, servers, workstations, and other physical network devices.
- Analyze, test, and propose solutions relating to network printing.
- Analyze, test, and propose solutions for problems relating to network protocols, including the Internet protocol suite (TCP/IP).
- Given a set of factors and constraints, design an appropriate network topology and its transmission media.

Required Courses:
ENG 100
ENG 112
DPR 100
IMM 120
DPR 227
DPR 228
NET 110
NET 115
NET 116
NET 117
NET 210
NET 230
NET 231
NET 232
NET 242

Required Electives:
- Mathematics Electives 6 - 10 Credits
- Social Science Elective 3 Credits
- Humanities Elective 3 Credits
- Science Elective 3-4 Credits

Notes:
For Mathematics Electives choose one of the following sequences: MAT 120-121 or MAT 135-136 or MAT 151-152 OR MAT 160-161

Total Credits: 70-75

Total Credits: 61-66