## Career Programs Based on MMS Curriculum

### Software Engineering -- Microsoft Technologies

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<th>Program Level</th>
<th>Course Code(s)</th>
<th>Contents</th>
<th>Qualification</th>
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<td>Advanced Certificate in Information Technology (BCACT)</td>
<td>CXQ01, CXQ02</td>
<td>Office Applications, Programming Fundamentals, Understanding IT Applications, Operating Systems Fundamentals, Networking Fundamentals</td>
<td>Advanced Certificate in Information Technology (Networked Desktop Specialist)</td>
</tr>
<tr>
<td>Associate Diploma in Information Technology (BCSIT)</td>
<td>CXQ01, CXQ02 and CXQ03</td>
<td>Introduction to Relational Database Design, Implementing Databases using SQL Server 2000</td>
<td>Associate Diploma in Information Technology (Core Concepts)</td>
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<tr>
<td>Honors Diploma in Information Technology (SCHIT)</td>
<td>CXQ01, CXQ02, CXQ03 and SCQ04</td>
<td>Introduction to Web Content Development, Developing Object based Client Server Applications</td>
<td>Honors Diploma in Information Technology (Software Engineering)</td>
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<tr>
<td>Advanced Diploma in Information Technology (SCAIT)</td>
<td>CXQ01, CXQ02, CXQ03, SCQ04, SCQ05 and SCQ06</td>
<td>Fundamentals of Linux Operating System, Understanding Software Business Processes and Development Life Cycle, Developing Portable Web Applications using XML Technologies, Object Oriented Analysis and Design using UML</td>
<td>Advanced Diploma in Information Technology (Software Engineering)</td>
</tr>
<tr>
<td>Professional Diploma in Information Technology (SMPIT) / DNIIT (SMDNT)</td>
<td>CXQ01, CXQ02, CXQ03, SCQ04, SCQ05, SCQ06, SMQ07 and SMQ08</td>
<td>Developing Enterprise-wide Applications Part I (.Net), Developing Enterprise-wide Applications Part II (.Net), Developing Enterprise-wide Applications Part III (.Net), Understanding Application Development Life Cycle and Architecture (.Net), Understanding Site Design Methodology and Management</td>
<td>Professional Diploma in Information Technology (Software Engineering – Microsoft Technologies) / DNIIT (Software Engineering – Microsoft Technologies)</td>
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<tr>
<td>Graduate Diploma in Information Technology (SMGIT) / PNIIT (SMPNT)</td>
<td>CXQ01, CXQ02, CXQ03, NCQ04, SCQ05, SCQ06, SMQ07, SMQ08, SMQ09, SCQ10, SMQ11 and SCQ12</td>
<td>Understanding eCommerce Business and Strategies, Understanding, Developing and implementing eCommerce Solutions (.Net), Software Development, Quality Management and Quality Assurance, Understanding Software Project Management, Introduction to Information Systems Security, Developing Mobile Applications (.Net), Business Intelligence, Enterprise Application Integration</td>
<td>Graduate Diploma in Information Technology (Software Engineering – Microsoft Technologies) / PNIIT (Software Engineering – Microsoft Technologies)</td>
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| Advanced Certificate in Information Technology (BCACT) | CXQ01, CXQ02 and CXQ02 | • Office Applications  
• Programming Fundamentals  
• Understanding IT Applications  
• Operating Systems Fundamentals  
• Networking Fundamentals | Advanced Certificate in Information Technology (Networked Desktop Specialist) |
| Associate Diploma in Information Technology (BCSIT) | CXQ01, CXQ02 and CXQ03 | Additionally.....  
• Introduction to Relational Database Design  
• Implementing Databases using SQL Server 2000 | Associate Diploma in Information Technology (Core Concepts) |
| Honors Diploma in Information Technology (SCHIT) | CXQ01, CXQ02, CXQ03 and SCQ04 | Additionally.....  
• Introduction to Web Content Development  
• Developing Object based Client Server Applications | Honors Diploma in Information Technology (Software Engineering) |
| Advanced Diploma in Information Technology (SCAIT) | CXQ01, CXQ02, CXQ03, SCQ04, SCQ05 and SCQ06 | Additionally.....  
• Fundamentals of Linux Operating System  
• Understanding Software Business Processes and Development Life Cycle  
• Developing Portable Web Applications using XML Technologies  
• Object Oriented Analysis and Design using UML | Advanced Diploma in Information Technology (Software Engineering) |
| Professional Diploma in Information Technology (SJPIT) / DNIIT #(SJDNT) | CXQ01, CXQ02, CXQ03, SCQ04, SCQ05, SCQ06, SJQ07 and SJQ08 | Additionally.....  
• Developing Enterprise-wide Applications Part I (J2EE)  
• Developing Enterprise-wide Applications Part II (J2EE)  
• Developing Enterprise-wide Applications Part III (J2EE)  
• Understanding Application Development Life Cycle and Architecture (J2EE)  
• Understanding Site Design Methodology and Management | Professional Diploma in Information Technology (Software Engineering – Java Technologies / DNIIT (Software Engineering – Java Technologies)) |
| Graduate Diploma in Information Technology (SJGIT) / PNIIT #(SJPNT) | CXQ01, CXQ02, CXQ03, NCQ04, SCQ05, SCQ06, SJQ07, SJQ08, SJQ09, SCQ10, SJQ11 and SCQ12 | Additionally.....  
• Understanding eCommerce Business and Strategies  
• Understanding, Developing and implementing eCommerce Solutions (J2EE)  
• Software Development, Quality Management and Quality Assurance  
• Understanding Software Project Management  
• Introduction to Information Systems Security  
• Developing Mobile Applications (J2EE)  
• Business Intelligence  
• Enterprise Application Integration | Graduate Diploma in Information Technology (Software Engineering – Java Technologies / PNIIT (Software Engineering – Java Technologies)) |
## Network Engineering -- Microsoft Technologies:

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| **Advanced Certificate in Information Technology (BCACT)** | CXQ01, and CXQ02 | • Office Applications  
• Programming Fundamentals  
• Understanding IT Applications  
• Operating Systems Fundamentals  
• Networking Fundamentals | **Advanced Certificate in Information Technology (Networked Desktop Specialist)** |
| **Associate Diploma in Information Technology (BCSIT)** | CXQ01, CXQ02 and CXQ03 | Additionally.....  
• Introduction to Relational Database Design  
• Implementing Databases using SQL Server 2000 | **Associate Diploma in Information Technology (Core Concepts)** |
| **Honors Diploma in Information Technology (NCHIT)** | CXQ01, CXQ02, CXQ03 and NCQ04 | Additionally.....  
• Implementing and Administering MS Windows 2000 Professional  
• Administering MS SQL Server 2000 Databases | **Honors Diploma in Information Technology (Network Engineering)** |
| **Advanced Diploma in Information Technology (NMAIT)** | CXQ01, CXQ02, CXQ03, NCQ04, NMQ05 and NMQ06 | Additionally.....  
• TCP/IP Fundamentals and Concepts  
• Managing and Maintaining a Microsoft Windows Server 2003 Environment  
• Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure  
• Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure | **Advanced Diploma in Information Technology (Network Engineering – Microsoft Technologies)** |
| **Professional Diploma in Information Technology (NMPIT) / DNIIT #NMDNT** | CXQ01, CXQ02, CXQ03, NCQ04, NMQ05, NMQ06, NMQ07 and NMQ08 | Additionally.....  
• Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure  
• Designing Security for a Microsoft Windows Server 2003 Network  
• Linux System Administration  
• IT Infrastructure Planning and Management | **Professional Diploma in Information Technology (Network Engineering – Microsoft Technologies) / DNIIT (Network Engineering – Microsoft Technologies)** |
| **Graduate Diploma in Information Technology (NMGIT) / PNIIT #NMPNT** | CXQ01, CXQ02, CXQ03, NCQ04, NMQ05, NMQ06, NMQ07, NMQ08, NCQ09, NCQ10, NCQ11 and NCQ12 | Additionally.....  
• Advance Systems and Network Management  
• Understanding IT Project Management  
• Information Systems Security Essentials  
• Fundamentals of Network Security, Firewalls and VPNs  
• IS Risk Management and Intrusion Detection  
• Hacker Techniques, Tools and Incident Handling  
• Security Policies and Implementation Issues  
• System Forensics, Investigation and Response | **Graduate Diploma in Information Technology (Network Engineering – Microsoft Technologies) / PNIIT (Network Engineering – Microsoft Technologies)** |
# Network Engineering -- Linux Technologies:

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| Advanced Certificate in Information Technology (BCACT) | CXQ01, and CXQ02 | • Office Applications  
• Programming Fundamentals  
• Understanding IT Applications  
• Operating Systems Fundamentals  
• Networking Fundamentals | Advanced Certificate in Information Technology (Networked Desktop Specialist) |
| Associate Diploma in Information Technology (BCSIT) | CXQ01, CXQ02 and CXQ03 | Additionally..... | Associate Diploma in Information Technology (Core Concepts) |
| Honors Diploma in Information Technology (NCHIT) | CXQ01, CXQ02, CXQ03 and NCQ04 | Additionally..... | Honors Diploma in Information Technology (Network Engineering) |
| Advanced Diploma in Information Technology (NLAIT) | CXQ01, CXQ02, CXQ03, NCQ04, NLQ05 and NLQ06 | Additionally..... | Advanced Diploma in Information Technology (Network Engineering – Linux Technologies) |
| Professional Diploma in Information Technology (NLPIT) / DNIIT #(NLDNT) | CXQ01, CXQ02, CXQ03, NCQ04, NLQ05, NLQ06, NLQ07 and NLQ08 | Additionally..... | Professional Diploma in Information Technology (Network Engineering – Linux Technologies) / DNIIT (Network Engineering – Linux Technologies) |
| Graduate Diploma in Information Technology (NLGIT) / PNIIT #(NLPNT) | CXQ01, CXQ02, CXQ03, NCQ04, NLQ05, NLQ06, NLQ07, NLQ08, NCQ09, NCQ10, NCQ11 and NCQ12 | Additionally..... | Graduate Diploma in Information Technology (Network Engineering – Linux Technologies) / PNIIT (Network Engineering – Linux Technologies) |

# 1. DNIIT/PNIIT title is awarded only to the students who have successfully completed the PUSRC prior to the commencement of the first quarter at NIIT.
2. The students need to complete all quarters in normal track to be eligible for DNIIT/PNIIT title.
3. The other eligibility criteria are stated in the Student Hand Book.
4. DNIIT/PNIIT course is available at select centres.