<table>
<thead>
<tr>
<th>ITE Courses</th>
<th>Minimum Laptop Specifications</th>
</tr>
</thead>
</table>
| *Higher Nitec in Accounting*  
*Higher Nitec in Accounting (3 years)*  
*Higher Nitec in Automotive Engineering*  
*Higher Nitec in Beauty & Wellness Management*  
*Higher Nitec in Beauty & Wellness Management (3 years)*  
*Higher Nitec in Business Administration*  
*Higher Nitec in Business Administration (3 years)*  
*Higher Nitec in Culinary Arts [for Nitec progression students (1-year)]*  
*Higher Nitec in Culinary Arts (for GCE O students)*  
*Higher Nitec in Culinary Arts (3 years)*  
*Higher Nitec in Customer Experience*  
*Higher Nitec in Customer Experience (3 years)*  
*Higher Nitec in Early Childhood Education*  
*Higher Nitec in Engineering with Business*  
*Higher Nitec in Event Management*  
*Higher Nitec in Event Management (3 years)*  
*Higher Nitec in Hairdressing & Salon Management*  
*Higher Nitec in Hairdressing & Salon Management (3 years)*  
*Higher Nitec in Hospitality Operations*  
*Higher Nitec in Hospitality Operations (3 years)*  
*Higher Nitec in Logistics & Supply Chain Management*  
*Higher Nitec in Logistics & Supply Chain Management (3 years)*  
*Higher Nitec in Marine & Offshore Technology*  
*Higher Nitec in Marine Engineering*  
*Higher Nitec in Mechanical Engineering*  
*Higher Nitec in Passenger Services*  
*Higher Nitec in Passenger Services (3 years)*  
*Higher Nitec in Pastry & Baking [for Nitec progression students (1-year)]*  
*Higher Nitec in Pastry & Baking (for GCE O students)*  
*Higher Nitec in Pastry & Baking (3 years)*  
*Higher Nitec in Rapid Transit Engineering*  
*Higher Nitec in Retail and Online Business*  
*Higher Nitec in Retail and Online Business (3 years)*  
*Higher Nitec in Retail and Online Business (4 years)*  
*Higher Nitec in Sport Management*  
*Higher Nitec in Sport Management (3 years)*  
*Higher Nitec in Tourism*  
*Higher Nitec in Tourism (3 years)*  
*Higher Nitec in Vertical Transportation*  
*Higher Nitec in Vertical Transportation (3 years)*  
*Nitec in Aerospace Avionics*  
*Nitec in Aerospace Technology*  
*Nitec in Automotive Technology*  

• *Higher Nitec in Electrical Engineering*  
*Higher Nitec in Electrical Engineering (3 years)*  

• Processor: Intel Core i5-10210U (1.6 GHz with TurboBoost up to 4.2 GHz)  
• Memory: 8GB  
• Display: 15.6" HD ComfyView Display  
• Storage: 1 TB HDD SATA  
• Graphics: Intel UHD Graphics 620
<table>
<thead>
<tr>
<th>ITE Courses</th>
<th>Minimum Laptop Specifications</th>
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</table>
| **Higher Nitec in Facilities Management & Engineering**  
**Higher Nitec in Facilities Management & Engineering (3 years)**  
**Higher Nitec in Facilities Management & Engineering (4 years)** | • Processor: CPU Single- or Multi-Core Intel®, Xeon®, or i-Series processor or AMD® equivalent with SSE2 technology eg; AMD Ryzen 7 5800X, AMD Ryzen 9 5900X, Intel Core i7-12700KF, Intel Core i9-12900K  
• Memory: 16GB RAM  
• Display: Ultra-High (4k) Definition Monitor (at least 1920 x 1200)  
• Storage: At least 30GB of disk space  
• Graphics: DirectX 11 capable graphics card with Shader Model 5 and a minimum of 4GB of video memory |
| **Higher Nitec in Electronics Engineering**  
**Higher Nitec in Electronics Engineering (3 years)**  
**Higher Nitec in Security System Integration**  
**Higher Nitec in Security System Integration (3 years)** | • Processor: 10th Gen Intel Core i7-1065G7 processor (up to 3.9GHz, 6MB smart cache)  
• Memory: 16GB LPDDR4X RAM  
• Display: 14” Full HD IPS Narrow Border Display  
• Storage: 1TB PCIe NVMe SSD  
• Graphics: NVIDIA GeForce MX250, 2GB GDDR5 VRAM (optional) |
| **Higher Nitec in Community Care & Social Services**  
**Higher Nitec in Community Care & Social Services (3 years)**  
**Higher Nitec in Nursing**  
**Higher Nitec in Nursing (3 years)**  
**Higher Nitec in Opticianry**  
**Higher Nitec in Opticianry (3 years)** | • Processor: Intel Core i5 9th Gen and above  
• Memory: at least 8GB Ram  
• Display: 13” and above  
• Storage: 256GB with 100GB of free storage  
• Graphics: Intel UHD Graphics |
| **Nitec in Mechanical Technology**  
**Nitec in Mechanical Technology (3 years)**  
**Nitec in Rapid Transit Technology** | • Processor: Intel Core i5-10210U (1.6 GHz with TurboBoost up to 4.2 GHz)  
• Memory: 8GB  
• Display: 15.6” HD ComfyView Display  
• Storage: 1 TB HDD SATA  
• Graphics: Intel UHD Graphics 620 |
| **Higher Nitec in Civil & Structural Engineering Design**  
**Higher Nitec in Civil & Structural Engineering Design (3 years)**  
**Higher Nitec in Landscape Management & Design**  
**Higher Nitec in Landscape Management & Design (3 years)**  
**Higher Nitec in Mechatronics Engineering**  
**Higher Nitec in Offshore & Marine Engineering Design**  
**Higher Nitec in Robotics & Smart Systems**  
**Higher Nitec in Integrated Mechanical & Electrical Design**  
**Higher Nitec in Integrated Mechanical & Electrical Design (3 years)**  
**Nitec in Mechatronics and Robotics** | • Processor: Intel Core i5-10210U (1.6 GHz with TurboBoost up to 4.2 GHz)  
• Memory: 8GB RAM  
• Display: 14” HD ComfyView Display  
• Storage: 1 TB HDD SATA  
• Graphics: Intel UHD Graphics |
| **Higher Nitec in Applied Food Science**  
**Higher Nitec in Applied Food Science (3 years)**  
**Higher Nitec in Bio-Chemical Technology**  
**Higher Nitec in Bio-Chemical Technology (3 years)**  
**Higher Nitec in Chemical Process Technology**  
**Higher Nitec in Chemical Process Technology (3 years)** | • Processor: 1.6GHz Intel processor or equivalent  
• Operating system: 32-bit or 64-bit versions of Windows 10 or 11  
• Memory: 2GB RAM  
• Display: Screen resolution of at least 1024x768  
• Storage: 2 GB of hard drive space free  
• Graphics: Intel UHD Graphics  
• Others: Built-in or external 802.11 2.4/5 GHz wireless adapter |
### ITE Courses

- **Higher Nitec in Precision Engineering**
- **Nitec in Aerospace Machining Technology**
- **Nitec in Digital & Precision Engineering**

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<tr>
<th>Minimum Laptop Specifications</th>
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<tbody>
<tr>
<td>Processor: 9th Gen Intel Core i7-9750H processor (up to 4.5GHz, 12MB smart cache)</td>
</tr>
<tr>
<td>Memory: 8GB DDR4 RAM</td>
</tr>
<tr>
<td>Display: 15.6&quot; Full HD IPS 120Hz Narrow Border Display</td>
</tr>
<tr>
<td>Storage: 512GB PCIe NVMe SSD</td>
</tr>
<tr>
<td>Graphics: NVIDIA GeForce GTX 1650, 4GB GDDR5 VRAM</td>
</tr>
</tbody>
</table>

- **Higher Nitec in AI Applications**
- **Higher Nitec in AI Applications (3 years)**
- **Higher Nitec in Business Information Systems**
- **Higher Nitec in Business Information Systems (3 years)**
- **Higher Nitec in Cyber & Network Security**
- **Higher Nitec in Cyber & Network Security (3 years)**
- **Higher Nitec in Data Engineering**
- **Higher Nitec in Data Engineering (3 years)**
- **Higher Nitec in Immersive Applications & Game**
- **Higher Nitec in Immersive Applications & Game (3 years)**
- **Higher Nitec in IT Applications Development**
- **Higher Nitec in IT Applications Development (3 years)**
- **Higher Nitec in IT Systems & Networks**
- **Higher Nitec in IT Systems & Networks (3 years)**
- **Higher Nitec in Operational & Information Technology**
- **Higher Nitec in Operational & Information Technology (3 years)**

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<tr>
<td>Processor: 10th Gen Intel Core i7-1065G7 processor (up to 3.9GHz, 6MB smart cache)</td>
</tr>
<tr>
<td>Memory: 16GB LPDDR4X RAM</td>
</tr>
<tr>
<td>Display: 14&quot; Full HD IPS Narrow Border Display</td>
</tr>
<tr>
<td>Storage: 1TB PCIe NVMe SSD</td>
</tr>
<tr>
<td>Graphics: NVIDIA GeForce MX250, 2GB GDDR5 VRAM</td>
</tr>
</tbody>
</table>

- **Higher Nitec in Architectural Technology**
- **Higher Nitec in Architectural Technology (3 years)**
- **Higher Nitec in Communication Design**
- **Higher Nitec in Communication Design (3 years)**
- **Higher Nitec in Film & Video Production**
- **Higher Nitec in Film & Video Production (3 years)**
- **Higher Nitec in Interior & Product Design**
- **Higher Nitec in Interior & Product Design (3 years)**
- **Higher Nitec in Technical Theatre & Production**
- **Higher Nitec in Technical Theatre & Production (3 years)**
- **Higher Nitec in Visual Merchandising**
- **Higher Nitec in Visual Merchandising (3 years)**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Processor: 11th Gen Intel Core i7-1165G7 Processor (2.80 GHz, 12MB Cache, Up to 4.70 GHz)</td>
</tr>
<tr>
<td>Memory: 16 GB RAM</td>
</tr>
<tr>
<td>Display: 15.6&quot; LED-backlit Slim Full HD 1,920 x 1,080</td>
</tr>
<tr>
<td>Storage: PCIE NVME 256GB SSD + 1TB SATA HDD</td>
</tr>
<tr>
<td>Graphics: NVIDIA GeForce GTX 1630 with 4GB GDDR6</td>
</tr>
</tbody>
</table>

- **Optional**
- **Higher Nitec in Communication Design**
- **Higher Nitec in Communication Design (3 years)**
- **Higher Nitec in Film & Video Production**
- **Higher Nitec in Film & Video Production (3 years)**

<table>
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<tr>
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<tbody>
<tr>
<td>Apple M3 chip with 8-core CPU, 10-core GPU, 16-core Neural Engine</td>
</tr>
<tr>
<td>8GB / 16GB unified memory</td>
</tr>
<tr>
<td>512GB SSD storage</td>
</tr>
<tr>
<td>13.6-inch Liquid Retina display with True Tone</td>
</tr>
<tr>
<td>1080p FaceTime HD camera</td>
</tr>
<tr>
<td>MagSafe 3 charging port</td>
</tr>
<tr>
<td>Two Thunderbolt / USB 4 ports</td>
</tr>
<tr>
<td>30W / 35W Dual USB-C Port Power Adapter</td>
</tr>
<tr>
<td>Backlit Magic Keyboard with Touch ID - US English</td>
</tr>
</tbody>
</table>