

Class of 2020 Required Laptop Computer Specifications

| Computer Component | Mandatory Minimum | Additional Information |
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| Computer's Operating System | Windows Based Professional Edition OS (7, 8.1, or 10) <ul style="list-style-type: none"> • Apple/Macintosh OS Not Recommended • Linux OS Not Recommended | Windows OS required by Computer Science Department |
| Computer's processing power | Intel or AMD i5, 6 th Generation Dual or Quad Core Processor Chip | i7 Chip recommended for students interested in graphic design, animation, CAD/CAM, high processing demand applications |
| Computer's Memory | 8GB | |
| Computer's Video Capabilities | Intel HD (High Definition) Integrated Graphics Processor | AMD or Nvidia Independent Graphics Processors recommended for students interested in graphic design, animation, CAD/CAM, high processing demand applications |
| Computers Internal Storage – Hard Drive | 128GB Hard Drive | SSD type drive recommended for processing power and reliability |
| Computer's Wired Ethernet Connection | Optional, but strongly recommended. | Wired network connections are 10x faster than wireless network connections |
| Computer's WiFi – Internet Access Card | Intel Brand – Dual Band Wireless Card capable of 802.11ac 2.4/5.0GHz Band Wireless Network Card | We do not recommend other wireless network card brands, Intel is the only one that works reliably in the IMSA environment |
| Computer's WebCam | Optional | |
| Computer's USB Ports | 3- USB Ports supporting a combination of USB 2.0 and 3.0 | Required by Computer Science and Science departments for connecting various equipment |
| Computer's BlueTooth Connection | BlueTooth 4.0 | Required by Computer Science and Science departments for connecting various equipment |
| Computer Software – Required Purchase (Available for free from Microsoft) | Microsoft Office 2016/365 (Excel, OneNote, PowerPoint, Word) https://products.office.com/en-us/student/office-in-education?tab=students | Required by all departments for assignments |

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| Computer's Warranty | 3 Year Manufactures Parts and Labor Warranty | Covers technical failures during the student's entire time at IMSA. |
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| Optional but recommended additions | |
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| Warranty: 3 Year Accidental Damage Protection Warranty | Protecting the computer from accidental physical damage (liquid spills, drops, falls, etc...) during the student's entire time at IMSA |
| External Storage: External USB Hard Drive | Used to backup documents, pictures, video, in case internal laptop hard drive fails |
| External Storage: USB Flash/Thumb Drive | Used to backup/transfer documents, pictures, videos, etc... |
| Ethernet Network Cable: 15ft | Used to connect computer to in-room Ethernet (wired) network connection |