Class of 2024 Required Laptop Computer Specifications

Computer Component	Mandatory Minimum	Additional Information
Computer's Operating System	Windows 10 Professional Edition OS Recommended • Windows 10 Home Edition is supported • Apple/Macintosh OS Not Recommended • Linux OS Not Recommended • Chromebooks are NOT supported	Windows OS required by IMSA Computer Science Department
Computer's processing power	Intel or AMD i5, 8th Generation Processor Chip minimum	i7 – 8th Generation Chip recommended for students interested in graphic design, animation, CAD/CAM, high processing demand applications
Computer's Memory	8GB minimum	16GB recommended for students interested in graphic design, animation, CAD/CAM, high processing demand applications
Computer's Video Capabilities	Intel HD (High Definition) Integrated Graphics Processor minimum	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	256GB Hard Drive minimum	SSD type drive recommended for processing power and reliability
Computer's Wired Ethernet Connection	Strongly recommended. May require the purchase of an additional adapter or "Dongle"	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 Dual 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	Required, to support eLearning as necessary	
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

Class of 2024 Required Laptop Computer Specifications

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, 2019 or 365 (Excel, OneNote, PowerPoint, Word) https://products.office.com/en-us/student/office-in-education?tab=students	Required by all departments for assignments
Computer's Warranty	3 Year Manufactures Parts and Labor Warranty	Covers technical failures during the student's entire time at IMSA.

Optional but recommended additions	
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