

## Required Specification of Devices for Online Program in KCCP

### 1. Required Specification in General

The following information is a model of specification of devices for our online program. As it depends on the contents of program, please refer more details in the information in each course.

#### 1) Windows

Hardware Specifications	Software Specification (Windows)
Storage : Minimum 5GB of available space Memory (RAM): 4GB or more (Zoom needs minimum 4 GB) Processor (CPU) : Minimum requirement is 1 GHz Processor or Higher. Dual Core processor 2GHz or Higher (i3/i5/i7 or AMD Equivalent) is recommended. Wi-Fi or Ethernet Port for internet connection Web Camera Speaker and Microphone AC Adopter	Operating System (OS): Windows 8.1or 10 Web Browser: Google Chrome (recommended) Firefox, Microsoft Edge Applications: PDF Reader (Adobe, etc.) (1)Microsoft Office 2013, 2016, 2019 (including MS Words, Excel, PowerPoint) Anti-Virus Software (Kaspersky, McAfee, etc) Optional: MS Teams, Zoom *In case the MS Office is not available, Google's G Suite, may be used for working.

#### 2) Apple

-Any model build later than MacBook Mid2010 should have minimum specification.

Hardware Specifications	Software Specification (Apple)
Storage : Minimum 5GB of available space Memory (RAM): 4GB or more Processor (CPU): Minimum requirement is 1 GHz Processor or Higher. Dual Core processor 2GHz or Higher (i3/i5/i7 or AMD Equivalent) is recommended. Wi-Fi or Ethernet Port for internet connection Camera Speaker and Microphone AC Adopter	Operating System (OS): mac OS 10.9(Mavericks) or higher (Currently mac OS Catalina) Web Browser: Google Chrome (recommended) Firefox, Safari Applications: PDF Reader (Adobe, etc) (1)Microsoft Office 2013, 2016, 2019 (including MS Words, Excel, PowerPoint) (Preferred) Anti-Virus Software (Kaspersky, McAfee, etc) Optional: MS Teams, Zoom *In case the MS Office is not available, Apple's Pages, Numbers, Keynote, or Google's G Suite, may be used for working.

2. How to check the specification of Processor, Memory, Windows

1) Hardware

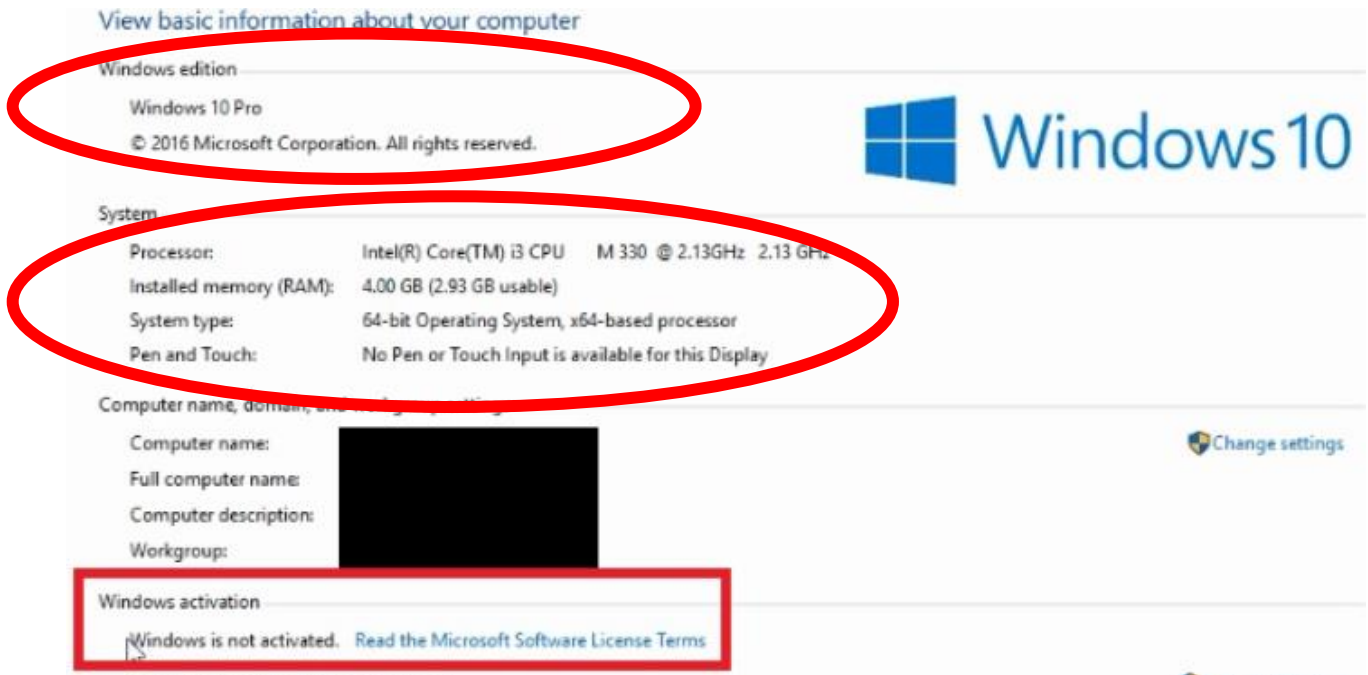
Top window>Control Panel>System

Windows edition:

Processor:

Memory (RAM):

Windows Activation:



2) Software

Open Microsoft Office>File>Account

⇒”Product Activated”

