THE UNIVERSITY OF CHICAGO | MASTER OF SCIENCE IN ANALYTICS

Laptop, Software Recommendations

Windows &

Mac

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The Masters of Science in Analytics Program requires extensive computing some of which will be done directly on your laptop or remotely via RCC or the cloud. It is therefore best to get a laptop and install the necessary software that permits you to complete all coursework in a timely fashion with high quality results.

Hardware Requirements

Attribute	Minimum	Extended
Processor	Intel core i5 2.4 GHz, 64-bit, dual core or something similar from another vendor	Intel core i7 4GHz, 64-bit, 4 cores or something similar from another vendor
RAM	8GB	16GB
Hard Drive	256GB SSD	512GB SSD
OS	PC: Windows 10 Home / Macs: Mojave (or above)	PC: Windows 10 Pro / Macs: Catalina
Mouse	Wireless 2.4G	Wireless 2.4G
Wireless	compatible with 802.11 b/g/n	compatible with 802.11 b/g/n
USB ports	USB2.0	USB3.0
Graphics Card	Laptop Default	Nvidia GeForce GTX 2070 or greater (optional)

Discounts (sample) from various vendors:

- https://www3.lenovo.com/us/en/landingpage/students-and-teachers/
- https://www.apple.com/us-hed/shop?afid=p238%7CspiYqM3Lw-dc_mtid_1870765e38482_pcrid_228165012174_&cid=aos-us-kwgo-edu--slid--product-

Software Preferred Requirements & References:

1. Please check go through quick start guide from the University of Chicago IT service
   - https://its.uchicago.edu/students/

2. The link https://uchicago.service-now.com/it?id=kb_article&kb=KB00012189 gives additional details into the Licensed Software for Students including

3. Web Browsers
   - Chrome - https://www.google.com/chrome/
   - IE - https://support.microsoft.com/en-us/help/17621/internet-explorer-downloads
   - Firefox - https://www.mozilla.org/en-US/firefox/
   - Opera - https://www.opera.com/

4. Install the security software suite from CrowdStrike (OPTIONAL)
   - Symantec Endpoint Protection https://uchicago.service-now.com/it?id=kb_article&kb=KB00015389

5. Polsky center for entrepreneurship & Innovation
   - https://polsky.uchicago.edu/info/graduate-students/

6. VPN software
   - Cisco Anyconnect https://uchicago.service-now.com/it?id=kb_category&kb_category=a83d1c88db7b7e007fd57b1cbf9619e1
   - https://uchicago.service-now.com/it?id=kb_article&sys_id=ee5929cfdbf644d07fd57b1cbf9619d6

7. Connecting to RCC
   - https://rcc.uchicago.edu/docs/connecting/index.html
   - Download thin client using the link below
     - https://www.cendio.com/thinlinc/download
   - For windows users, it might help to download Putty/Super putty as well.
     - http://www.putty.org/
     - https://github.com/jimradford/superputty/releases (SuperPuttySetup-v1.4.0.8.msi)

8. R studio
   - https://www.rstudio.com/
   - https://www.r-project.org/

9. Python

- https://www.anaconda.com/download/ (anaconda)
- https://www.jetbrains.com/student/ (pycharm)

10. Additional free software resources
    - https://www.tableau.com/academic/students (DataViz)
    - https://powerbi.microsoft.com/en-us/downloads/ (DataViz)
    - https://rapidminer.com/educational-program/ (Data Science Platform)
    - https://its.uchicago.edu/uchicago-box/ (Data Storage)
    - https://cyberduck.io/?l=en (Data Transfer)

11. Outlook on Android/iOS devices
    - https://uchicago.service-now.com/it?id=kb_article&kb=KB00016344
    - https://uchicago.service-now.com/it?id=kb_article&kb=KB00016446

12. Training
    - https://lynda.uchicago.edu/
    - https://www.datacamp.com/
    - https://www.codecademy.com/
    - https://university.mongodb.com/
    - https://www.tutorialspoint.com/

13. Data Science tutorials
    - https://github.com/datasciencescoop/Data-Science-Tutorials