



THE UNIVERSITY OF  
**CHICAGO**

**MS-APPLIED DATA SCIENCE**



## Laptop, Software Recommendations

 Windows &  
 Mac

The Master of Science in Applied Data Science Program requires extensive computing. Some of which will be done directly on your laptop or remotely via RCC or the cloud. Therefore, it is 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.

Minimum Hardware Components:

Component	Windows Requirements	MacOS Requirements
Operating System	Windows 11 Home or Pro	macOS 12.0 (Monterey) or higher
Processor	Intel Core i5 (10th Gen or higher) / AMD Ryzen 5 (4000 series or higher)	Apple M1 or higher
Memory (RAM)	16 GB or higher	16 GB or higher of unified memory
Storage	256 GB SSD or higher	256 GB SSD or higher
Graphics	Integrated graphics (Intel UHD 620 or higher)	Integrated graphics (Apple M1 or higher)
Screen Size	13 inches or larger	13 inches or larger
Resolution	Full HD (1920 x 1080) or higher	Full HD (1920 x 1080) or higher
Battery Life	5 hours or longer	5 hours or longer
Wireless	Wi-Fi 6 (802.11ax) or higher	Wi-Fi 6 (802.11ax) or higher
Webcam & Microphone	Integrated or external (1080p recommended)	Integrated or external (1080p recommended)

Discounts (sample) from various vendors:

- <https://www.lenovo.com/us/en/landingpage/students-and-teachers/>
- [https://www.apple.com/us-hed/shop?afid=p238%7CspiYqM3Lw-dc\\_mtid\\_1870765e38482\\_pcrd\\_228165012174\\_&cid=aos-us-kwgo-edu--slid--product-](https://www.apple.com/us-hed/shop?afid=p238%7CspiYqM3Lw-dc_mtid_1870765e38482_pcrd_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](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/>
  - Microsoft Edge – <https://microsoftedgewelcome.microsoft.com/en-us/mb05?form=MY020C&slide=get-started>
  - Firefox – <https://www.mozilla.org/en-US/firefox/>
4. Install the security software suite from CrowdStrike (OPTIONAL)
  - Symantec Endpoint Protection  
[https://uchicago.service-now.com/it?id=kb\\_article&kb=KB00015389](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/itservices@uchicago.edu?id=kb\\_article&sys\\_id=8d7e1ed0db91c0d0432f7f8cbf96195f](https://uchicago.service-now.com/it/itservices@uchicago.edu?id=kb_article&sys_id=8d7e1ed0db91c0d0432f7f8cbf96195f)
7. Connecting to RCC
  - <https://rcc.uchicago.edu/docs/connecting/index.html>
    - Connecting to DaLi – <https://dali-docs.rcc.uchicago.edu/connecting/>
  - 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-v1.5.0.0.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://www.microsoft.com/en-us/power-platform/products/power-bi/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

- UChicago IT Services for Students – <https://its.uchicago.edu/students/>

## 12. Training

- <https://linkedinlearning.uchicago.edu/>
- <https://www.datacamp.com/>
- <https://www.codecademy.com/>
- <https://learn.mongodb.com/>
- <https://www.tutorialspoint.com/>

## 13. Data Science tutorials

- <https://github.com/datasciencescoop/Data-Science-Tutorials>