



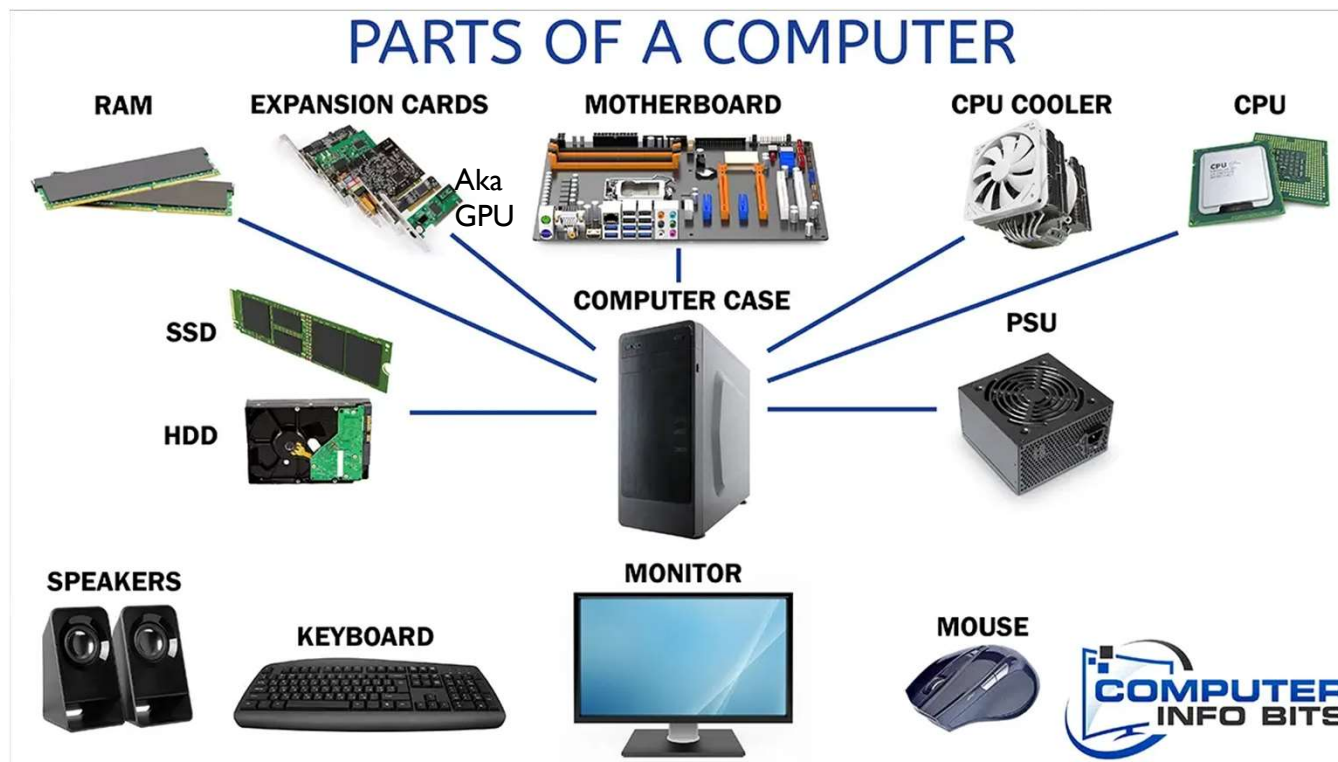
PERSONAL HOBBY – BUILDING A GAMING PC/ GAMING

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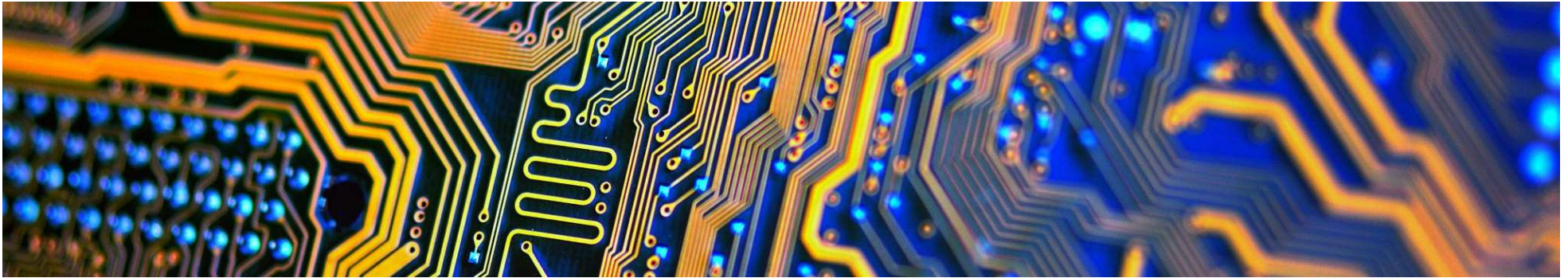
ENG 103, RPE8

OCTOBER 17, 2023

TECH REQUIREMENTS



Source: Strydom



CRITICAL PC COMPONENTS FOR GAMING & TECH SPECS

1. Central Processing Unit (CPU)
 - ❖ Specs: 5800X
2. Graphics Processing Unit (GPU)
 - ❖ Specs: 7800XT
3. Random Access Memory (RAM)
 - ❖ Specs: 16 GB (Two by 8 GB)
4. Storage – Solid State Drive (SSD)
 - ❖ Specs: 3 TB – 1TB M.2, 2TB SATA with 2 GB dynamic random-access memory (DRAM) cache
5. Power Supply Unit (PSU)
 - ❖ Specs: 850 Watt

PROS & CONS TO BUILD A PC (DIY)

PROS

- Gain Hardware Knowledge
- Hardware Flexibility
- Full Control of system
- Cheaper long term
- Satisfaction

CONS

- Supply Shortages
- No Tech Support
- Higher Risk
- Time consuming

DIY allows freedom to build exactly what you want/need

PROS & CONS TO BUY A PC (PREBUILT)

PROS

- Gaming hardware has improved
- Some are customizable
- Support & Warranty
- Good variety

CONS

- More Expensive
- Low flexibility and quality
- Limited choice
- Less Control

Prebuilt allows convenience and support

FIVE QUESTIONS TO ASK BEFORE DECIDING TO BUY OR BUILD (DIY)

1. How much do you want to spend (i.e., budget)?
 - ❖ If you have the time to research, you may find deals on components.
2. Do you plan on upgrading any components in the future?
 - ❖ DIY allows flexibility to replace any parts later where prebuilt may not allow changing components easily.
3. Do you have time to spend researching and building?
 - ❖ DIY research takes more time than buying prebuilt PCs
4. Are you confident enough to troubleshoot yourself?
 - ❖ Prebuilt normally comes with support and warranty where DIY does not.
5. Are you organized?
 - ❖ DIY means you must have the right tools and know about component compatibility.



Source: Yee

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THANK YOU

QUESTIONS?

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