| **Brief Course Description** | This is an introduction to the basics of computer hardware, especially those components that are used frequently by programmers including RAM and CPU. Students will also be introduced to operating systems. |
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| **Course Prerequisites** | Admission to the WMAD program |
| **Learning Objectives\*** | Upon completion of this course the successful student will have reliably demonstrated the ability to:   * Identify all of the components that make up a computer * Describe how these components work together * Describe the differences between RAM, ROM, and Secondary Memory * Describe the role and function of an operating system * Describe the role and function of a language translator * Explain what computer software is and what role it plays in the function of a computer * Describe how and why we back up computer files * Backup and restore file |
| **Required course materials\*** | PowerPoint slides, Internet |
| **Course Duration** | 2 weeks / 40 hours |
| **Homework Hours** | 2-3 hours per day |
| **Delivery Methods** | * In Class Instruction * Distance Education * Combined delivery (both in-class and distance) |
| **Teaching Methods\*** | * lecture * Lab practice |
| **Method(s) of Student**  **Evaluation\*** | * 75% Final * 15% Quiz/ Lab Marks * 10% Attendance and Participation |
| **Completion Requirements\*** | A minimum grade of 70% on the final and an overall grade of 70% are required to successfully pass the course. |
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