

INFORMATION TECHNOLOGY FACILITIES AND SERVICES

As one of the nation's premier institutions for technology-enhanced learning, the University of Dayton views information technology as central to both the living and learning experiences of students. UD hosts a robust network for use by the campus community. Residence halls, as well as the 25 city blocks of UD-owned houses comprising the Student Neighborhood, are equipped with high speed wireless network access. Nearly 2,500 wireless access points provide wireless coverage in most areas on campus, including all academic buildings. In addition, students have access to an array of on-campus and virtual computer labs (<https://udayton.teamdynamix.com/TDClient/1868/Portal/KB/ArticleDet/?ID=111287>) and computer-equipped classrooms.

The technology infrastructure at UD includes a 40 gigabit network backbone with over 750 physical and virtual servers and over 600 terabytes of storage. UD is a full member of Internet2 (<https://www.internet2.edu/>), resulting in ultra high-speed connections to the Internet2 global network and access to a vast array of resources in support of research. UD also provides the capacity for robust research computing with UDSciNet (<https://udayton.edu/udit/teaching-research/udscinet/>), a high performance network connection for low-latency remote instrumentation access and massive data transfers.

In addition to maintaining this robust infrastructure, UD also supports learning and collaboration through such operations as the IT Service Center (<https://udayton.edu/udit/help/>), IT Training (<https://udayton.teamdynamix.com/TDClient/1868/Portal/KB/ArticleDet/?ID=92014>) and eLearning (https://udayton.edu/udit/communications_collaboration/e-learning/). Online and face-to-face classes are supported through the open-source campus Learning Management System (LMS), Isidore (<https://isidore.udayton.edu/portal/>). Isidore class sites provide a central spot for communicating important class information, accessing class resources, completing online assessments, submitting work, viewing grades and engaging in class discussions.

To leverage this high-performance digital community, UD requires all incoming students to have a notebook computer that meets the hardware and software requirements set forth by each academic area (<https://udayton.edu/udit/start/student-computer-requirement.php>). UD provides software (<https://udayton.teamdynamix.com/TDClient/1868/Portal/KB/ArticleDet/?ID=48002>) such as Microsoft Office, SPSS and SAS to support learning, communication and collaboration within and beyond the classroom. Students at the University of Dayton are encouraged to become highly proficient in using the tools of the information age as they prepare for their chosen careers.