





# Which Computing Major is Right for You?

	Interests	Description	Learning Outcomes
 <b>Computer Science</b>	<ul style="list-style-type: none"> <li>• Solving puzzles</li> <li>• Being creative and innovative</li> <li>• Team work</li> </ul>	<ul style="list-style-type: none"> <li>• Theoretical foundations of data structure and computation as well as practical techniques for computer systems</li> </ul>	<ul style="list-style-type: none"> <li>• Analyzing algorithmic processes that create, describe, and transform information</li> </ul>
 <b>Cybersecurity</b>	<ul style="list-style-type: none"> <li>• Protecting people from online dangers</li> <li>• Solving puzzles</li> </ul>	<ul style="list-style-type: none"> <li>• Protecting the confidentiality, integrity, and availability of data, information, and computer systems</li> </ul>	<ul style="list-style-type: none"> <li>• Identifying potential ways assets can be attacked</li> <li>• Recognizing when cyber attacks are occurring</li> <li>• Mitigating effects of attacks</li> </ul>
 <b>Information Systems</b>	<ul style="list-style-type: none"> <li>• Solving computer problems</li> <li>• Interacting with people</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding use of information system technology and its application to business problems</li> </ul>	<ul style="list-style-type: none"> <li>• Enabling businesses to streamline operations, improve decision-making, and compete more effectively</li> </ul>
 <b>Information Technology</b>	<ul style="list-style-type: none"> <li>• Solving computer problems</li> <li>• Answering questions</li> <li>• Testing, analyzing, and maintaining software</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge of hardware and software technology management (rather than information management)</li> </ul>	<ul style="list-style-type: none"> <li>• Customization, installation, and integration of products</li> <li>• Maintenance of computer applications used by organizations</li> </ul>

Have questions? Contact the GVSU Padnos College of Engineering & Computing Advising office at (616) 331-6025