

# Spring 2016 BioMedical Electronics Faculty SLO Survey

*Spring 2016 - Faculty - Bio-Medical Electronics*

**Q3 - What do you think your students liked best about your program?**

The clinical activities and internship.

**Q4 - What do you think your students would like to see changed in your program?**

More troubleshooting and computer experience.

**Q5 - How many students will graduate from your program this trimester?**

**Q7 - How many graduates are able to use effective communication skills?**

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**Q8 - Provide any comments you have on effective communication skills taught in this program.**

The major requirement they have is to fill out work orders properly, which they do in their clinicals and internships.

**Q9 - How many graduates are able to apply mathematical concepts?**

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**Q10 - Provide any comments you have on the application of mathematical concepts taught in this program.**

The most direct application of mathematical concepts is determining specification ranges and determining if measured values fit in that range.

**Q11 - How many graduates are able to transfer social and natural science theories into practical applications?**

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**Q12 - Provide any comments you have on transferring social and natural science theories into practical applications, and how it is taught in this program.**

All the graduates are effective members of the team in the clinical environment.

**Q13 - How many graduates are able to use critical thinking skills?**

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**Q14 - Provide any comments you have on critical thinking skills taught in this program.**

The students use their critical thinking skills during clinical and internship while working on equipment.

**Q15 - How many graduates are able to use technology effectively?**

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**Q16 - Provide any comments you have on how using technology effectively is taught in this program.**

Troubleshooting network connectivity issues is the most important aspect with the introduction to PACS/DICOM/HL7 a second.

**Q17 - How many graduates are able to value themselves and work ethically with others in a diverse population?**

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**Q18 - Provide any comments you have on how valuing one's self and working ethically with others in a diverse population is taught in this program.**

The students work within a clinical setting which serves all members of the community and they do not have difficulties with that.

**Q19 - How many graduates are able to make decisions that incorporate the importance of sustainability?**

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**Q20 - Provide any comments you have on how incorporating the importance of sustainability in the decisions one makes is taught in this program.**

Their impact on sustainability is mostly following the guidelines of their clinical and internship site regarding disposal and recycling of materials, batteries, and equipment.

**Q22 - How many graduates are able to demonstrate clinical workplace ethics?**

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**Q23 - Provide any comments you have about teaching this program outcome.**

All students were successful in their internship and clinical.

**Q24 - How many graduates are able to utilize knowledge of anatomy, physiology, and medical terminology?**

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**Q25 - Provide any comments you have about teaching this program outcome.**

They utilize this information by understanding the medical equipment and maintaining it adequately.

**Q26 - How many graduates are able to demonstrate understanding of the machine/physiology interface?**

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**Q27 - Provide any comments you have about teaching this program outcome.**

Students are able to make appropriate checks and repairs of medical equipment in the clinical setting.

**Q28 - How many graduates are able to support others in the operation of Biomedical equipment?**

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**Q29 - Provide any comments you have about teaching this program outcome.**

The students work well with each other and technicians in the clinical settings. They understand the process of supporting other clinical staff.

**Q30 - How many graduates are able to maintain biomedical equipment using test equipment and hand tools?**

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**Q31 - Provide any comments you have about teaching this program outcome.**

All students passed clinical and internship where they maintained equipment with test equipment and hand tools.

**Q32 - How many graduates are able to demonstrate basic electronics skills?**

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**Q33 - Provide any comments you have about teaching this program outcome.**

Students learn basic electronics and troubleshooting.

**Q34 - How many graduates are able to demonstrate a competency of computers and networks used with biomedical equipment?**

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**Q35 - Provide any comments you have about teaching this program outcome.**

Students learn introductory networking and computer skills.



**Q36 - How many graduates are able to explain aspects of imaging systems?**

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**Q37 - Provide any comments you have about teaching this program outcome.**

Students are familiar with imaging systems but are not expected to be proficient with imaging equipment.

**Q39 - Consider this class of graduating students, what was most challenging for the faculty in your program?**

The condensing of the term into essentially 14 weeks. If the class is scheduled to meet that day of the week only 14 times it is actually 14 weeks, not 15. One snow day and one burst pipe gave us a 14 week term for each day of the week.

**Q40 - Please use this space to share any other feedback, comments, or suggestions about your experience teaching in this program this past trimester.**

Scheduling and registration continue to be frustrations.