

## **NEWPATH program for BS-ECE students**

**Summary:** BS-ECE students who are in the NEWPATH program will complete each of the following:

- The standard BS-ECE curriculum;
- The Entrepreneurship Minor offered by the Fisher College of Business (see the "E-Minor" link in the table above), with 12 credit hours counting as the individualized tech elective option's "appropriate courses from one or more other disciplines";
- Six month, half-time internship spread over two summer quarters or a three month full-time internship during one summer; the internship(s) will be with an IT startup or other suitable IT company in the Central Ohio area and will be coordinated by TechColumbus;
- The e-practicum (see link in the table above).

A "bingo sheet" showing a possible 4-year schedule for the NEWPATH/BS-ECE program appears below.

**Benefits of joining the NEWPATH program:** NEWPATH is undoubtedly a demanding program, as will be clear by comparing the bingo sheets below. Nevertheless, BS-ECE students with an interest in IT and Computer Engineering-related entrepreneurship should seriously consider joining the program since it will not only help them develop essential entrepreneurship skills, it will also give them experience, via the internships, in working for IT startups; and will give them actual experience, via the year-long e-practicum, in planning, trying to acquire funding, and setting up and running their own ventures. Throughout the period that the student is in the NEWPATH program, he or she will have designated faculty advisors from both the ECE Dept. and the Fisher College of Business assigned; in addition, the student will also be assigned to an experienced member of the industry who will serve as a mentor. Plus, subject to making satisfactory progress, NEWPATH students will be eligible for special scholarships.

**Joining NEWPATH:** Students will typically join the NEWPATH program near the end of their freshman year or early in the sophomore year. It is, however, possible for highly motivated students to join and succeed in the program as late as in their junior year. If you are in your late sophomore year or even junior year and are interested in a program that will develop your entrepreneurial abilities talk to one of the NEWPATH faculty listed and we will work with you to develop a program tailored to your individual situation. In any case, if you are a BS-ECE major or pre-major and have an interest in IT entrepreneurship, you are urged to join NEWPATH as early as possible in your program. Attend the **information session** on January 15. See the "Info Session" link for details.

**NEWPATH/BS-ECE Schedule:** The following table shows a possible 4-year schedule for completing the NEWPATH/BS-ECE requirements. Some students may prefer to stretch the schedule out over one or two additional quarters or, possibly, take a few of the courses (especially GEC courses) during summer quarters.

<b>NEWPATH BS-ECE Bingo Sheet (Proposed)</b>				
<b>Year</b>	<b>Autumn</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>
1	Math 151 Chem 121 Engr 181 Econ 200 Total: 18 hrs	Math 152 PHY 131 Engr 183 Eng. Gr. 167 Total: 17 hrs	Phys 132 Math 153 CSE 221 Math 366 Total: 17 hrs	??
2	Math 254 PHY 133 CSE 222 BusMHR 290  Total: 19 hrs	Math 415 CSE 321 ECE 205 ECE 261 BusMHR 490  Total: 18 hrs	Math 571/568 ECE 206 ECE 209 ECE 265 ECE 301 BusFin 590 Total: 16 hrs	First Internship
3	Math530/Stat 427 ECE 323 ECE 567 BusML 490 Tech. elec./ Sel. core Total: 15+ hrs	ECE 331 ECE 351 ECE 561 BusMHR 590 Tech. elec./ Sel. core Total: 17+ hrs	ECE 352 ECE 662 CSE 560 Tech. elec./ Sel. Core GEC Total: 19 hrs	Second Internship
4	ECE 481 CSE 660 Ind Eng 504 Tech. elec./ Sel. core E-practicum 1  Total: 13+ hrs	ECE 582 Tech. elec./ Sel. core GEC E-practicum 2  Total: 13+ hrs	ECE 682 or 683 Tech. elec./ Sel. Core GEC Set up & run venture! Tech. elec.  Total: 13+hrs	Continue running venture! Provide feedback, help improve NEWPATH!

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**Note:** Most students will have AP (or equivalent) credit for several courses; that should reduce the number of credit hours to be taken in several of the quarters.

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