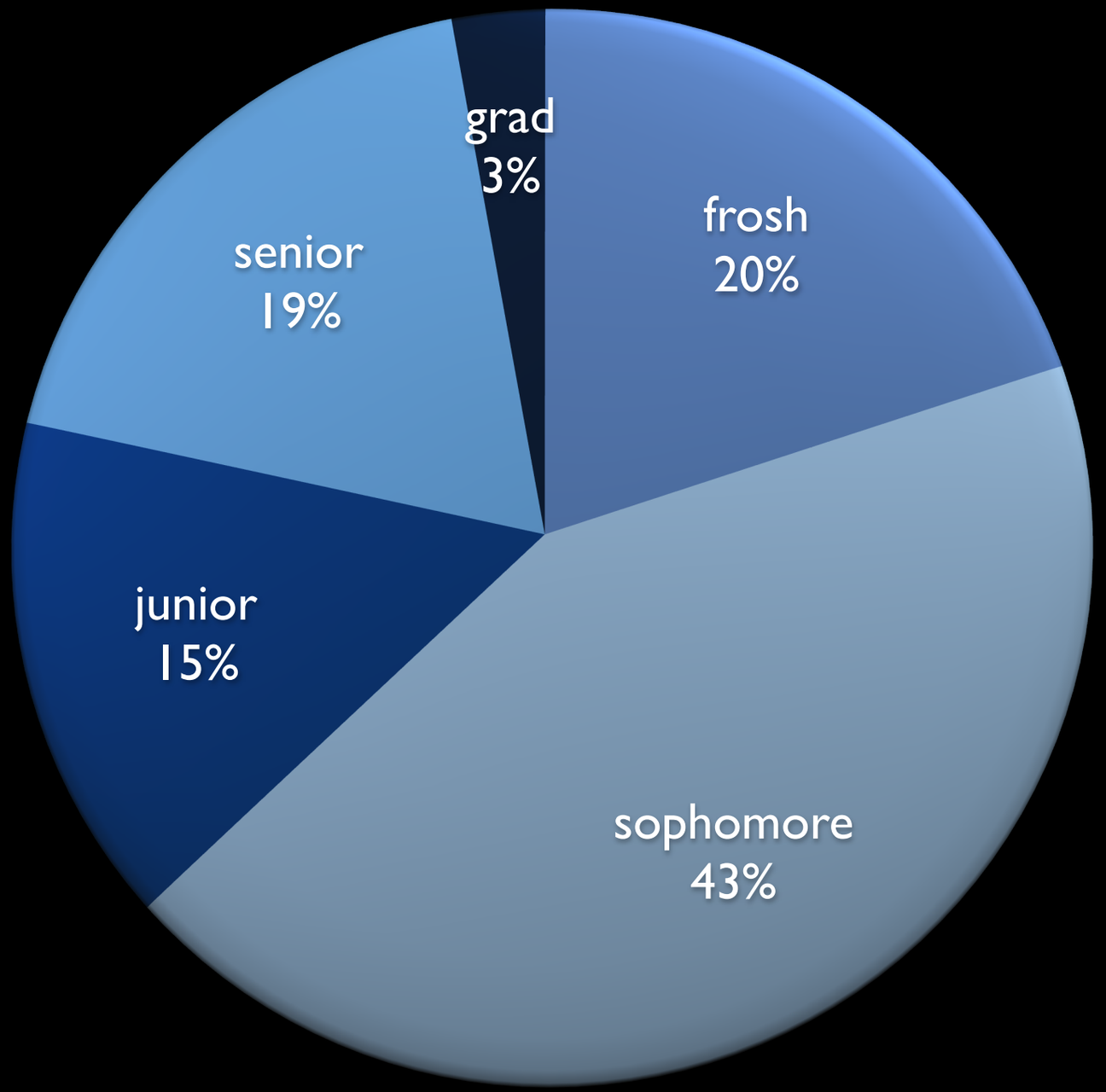
This is CS50:

by class



supersections

this sun, mon, tue

walkthrough 1

this Sun 9/12, 7pm

how to write a program

1. `nano hello.c`
2. `gcc -o hello hello.c -lcs50`
3. `./hello`

$$c = (5/9) \times (F - 32)$$

$$c = (5/9) \times (F - 32)$$

```
#include <cs50.h>
#include <stdio.h>

int
main(void)
{
    // TODO
}
```

conditions

```
if (condition)
{
    // do this
}
```

conditions

```
if (condition)
{
    // do this
}
else (condition)
{
    // do that
}
```

conditions

```
if (condition)
{
    // do this
}
else if (condition)
{
    // do that
}
else
{
    // do this other thing
}
```

Boolean expressions

```
if (condition || condition)
{
    // do this
}
```

Boolean expressions

```
if (condition && condition)
{
    // do this
}
```

switches

```
switch (expression)
{
    case i:
        // do this
        break;

    case j:
        // do that
        break;

    default:
        // do this other thing
}
```

loops

```
for (initializations; condition; updates)
{
    // do this again and again
}
```

loops

```
while (condition)
{
    // do this again and again
}
```

loops

```
do
{
    // do this again and again
}
while (condition);
```

http://www.gocomics.com/foxtrot/2003/10/03/

to be continued...