

**NAME**

wcsncpy – copy a fixed-size string of wide characters

**LIBRARY**

Standard C library (*libc*, *-lc*)

**SYNOPSIS**

```
#include <wchar.h>
```

```
wchar_t *wcsncpy(wchar_t dest[restrict .n],
                  const wchar_t src[restrict .n],
                  size_t n);
```

**DESCRIPTION**

The **wcsncpy()** function is the wide-character equivalent of the **strncpy(3)** function. It copies at most *n* wide characters from the wide-character string pointed to by *src*, including the terminating null wide character (L'\0'), to the array pointed to by *dest*. Exactly *n* wide characters are written at *dest*. If the length *wcslen(src)* is smaller than *n*, the remaining wide characters in the array pointed to by *dest* are filled with null wide characters. If the length *wcslen(src)* is greater than or equal to *n*, the string pointed to by *dest* will not be terminated by a null wide character.

The strings may not overlap.

The programmer must ensure that there is room for at least *n* wide characters at *dest*.

**RETURN VALUE**

**wcsncpy()** returns *dest*.

**ATTRIBUTES**

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
<b>wcsncpy()</b>	Thread safety	MT-Safe

**STANDARDS**

POSIX.1-2001, POSIX.1-2008, C99.

**SEE ALSO**

**strncpy(3)**